


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐**APPLICATION FOR PERMIT TO DRILL**

2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				1. WELL NAME and NUMBER NBU 922-31CT		
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO				3. FIELD OR WILDCAT NATURAL BUTTES		
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.				5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES		
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217				7. OPERATOR PHONE 720 929-6587		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-0464		11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		9. OPERATOR E-MAIL mary.mondragon@anadarko.com		
13. NAME OF SURFACE OWNER (if box 12 = 'fee')				12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')				14. SURFACE OWNER PHONE (if box 12 = 'fee')		
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')				16. SURFACE OWNER E-MAIL (if box 12 = 'fee')		
18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	389 FNL 1592 FWL	NENW	31	9.0 S	22.0 E	S
Top of Uppermost Producing Zone	389 FNL 1592 FWL	NENW	31	9.0 S	22.0 E	S
At Total Depth	389 FNL 1592 FWL	NENW	31	9.0 S	22.0 E	S
21. COUNTY UINTAH		22. DISTANCE TO NEAREST LEASE LINE (Feet) 389		23. NUMBER OF ACRES IN DRILLING UNIT 206		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 20		26. PROPOSED DEPTH MD: 9250 TVD: 9250		
27. ELEVATION - GROUND LEVEL 4882		28. BOND NUMBER WYB000291		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Permit #43-8496		

ATTACHMENTS**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP
NAME Kevin McIntyre	TITLE Regulatory Analyst I
SIGNATURE	PHONE 720 929-6226
API NUMBER ASSIGNED 43047502260000	DATE 12/02/2008
APPROVAL	EMAIL Kevin.McIntyre@anadarko.com
 Permit Manager	

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	9.625	0	2250		
Pipe	Grade	Length	Weight			
	Grade J-55 LT&C	2250	36.0			

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	4.5	0	9250		
Pipe	Grade	Length	Weight			
	Grade I-80 LT&C	9250	11.6			

KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	November 7, 2008
WELL NAME	NBU 922-31CT	TD	9,250' MD/TVD
FIELD	Natural Buttes	COUNTY	Uintah
		STATE	Utah
		ELEVATION	4,882' GL KB 4,897'
SURFACE LOCATION	NENW 389' FNL & 1592' FWL Sec. 31, T9S, R22E	BHL	Straight Hole
	Latitude: 39.998717 Longitude: -109.484283	NAD 27	
OBJECTIVE ZONE(S)	Wasatch/Mesaverde		
ADDITIONAL INFO	Regulatory Agencies: BLM (Surface & Minerals), UDOGM, Tri-County Health Dept.		

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 36#, J-55, LTC	Air mist
Catch water sample, if possible, from 0 to 4,489'					
	Green River @	1,227'			
	Top of Birds Nest Water @	1,563'			
	Delaware @	2,043'			
	Preset f/ GL @				
	2,250' MD				
	Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.				
Mud logging program TBD					
Open hole logging program f/ TD - surf casing			7-7/8"	4-1/2" 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.5 ppg
	Wasatch @	4,489'			
	El Verde @	7,122'			
	MVU2 @	8,061'			
	MVL1 @	8,632'			
	TD @	9,256'			Max anticipated Mud required 11.8 ppg

KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3520	2020	453000
SURFACE	9-5/8"	0 to 2,250'	36.00	J-55	LTC	0.97 7780	1.92 6350	6.39 201000
PRODUCTION	4-1/2"	0 to 9250	11.60	I-80	LTC	2.14	1.12	2.15

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))
 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
 (Burst Assumptions: TD = 11.8 ppg) .22 psi/ft = gradient for partially evac wellbore
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
 MASP 3700 psi

CEMENT PROGRAM

		FT. OF HILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,980'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	440	60%	11.00	3.38
	TAIL	5,270'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	1470	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained
 *Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.
 BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.
 Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.
 Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

DATE: _____

DRILLING SUPERINTENDENT:

Randy Bayne

NBU 922-31CT.xls

DATE: _____

**NBU 922-31CT
Twin to NBU #354
NENW Sec. 31, T9S,R22E
UINTAH COUNTY, UTAH
UTU-0464**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1227'
Bird's Nest	1553'
Mahogany	2043'
Wasatch	4489'
Mesaverde	7122'
MVU2	8051'
MVL1	8632'
TD	9250'

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1227'
	Bird's Nest	1553'
	Mahogany	2043'
Gas	Wasatch	4489'
Gas	Mesaverde	7122'
Gas	MVU2	8051'
Gas	MVL1	8632'
Water	N/A	
Other Minerals	N/A	

3. Pressure Control Equipment (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. Proposed Casing & Cementing Program:

Please see the Natural Buttes Unit SOP.

5. Drilling Fluids Program:

Please see the Natural Buttes Unit SOP.

6. Evaluation Program:

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9250' TD, approximately equals 5735 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3700 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

*Please see Natural Buttes Unit SOP Onshore Order #2 – Air Drilling Variance
Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2*

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated with air drilling.*

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet.

The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12-1/4 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 12-1/4 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 9-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements

The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements

Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements

Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

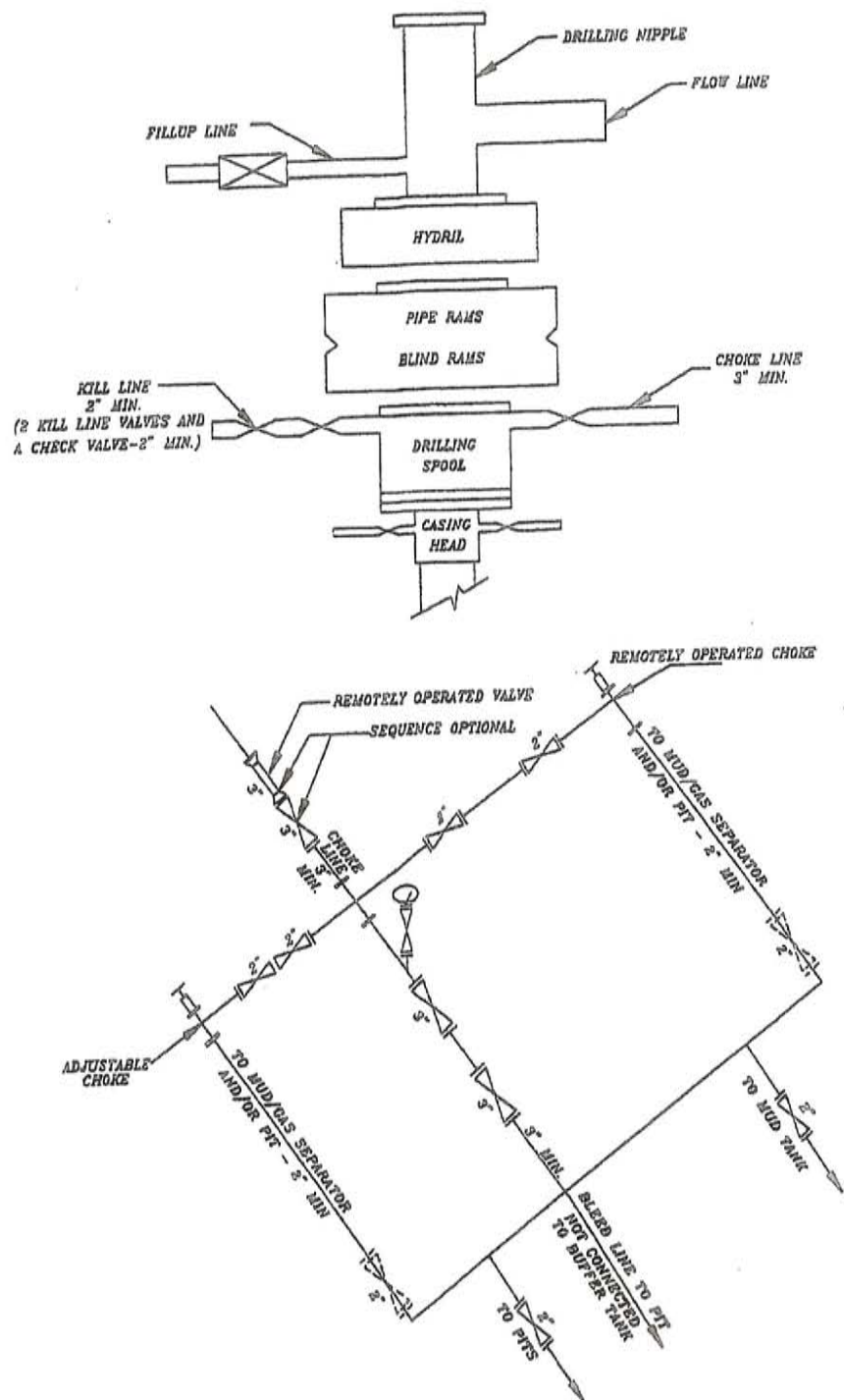
Conclusion

The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above..

10. Other Information:

Please see Natural Buttes Unit SOP.

EXHIBIT A



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

**NBU 922-31CT
Twin to NBU #354
NENW Sec. 31 ,T9S,R22E
UINTAH COUNTY, UTAH
UTU-0464**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. Planned Access Roads:

No new access road is planned, as this is a twin location. Refer to Topo Map B.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

No new pipeline, as we will be utilizing the existing NBU #354 pipeline. No TOPO D attached.

Please see the Natural Buttes Unit SOP.

Variances to Best Management Practices (BMPs) Requested:

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Shadow Gray (2.5Y 6/2), a non-reflective earthtone.

Interim Surface Reclamation Plan:

This exception is requested due to the current twin and multi-well program. If determined that this well will not be a candidate for either twinning &/or multi-well the operator shall spread the topsoil pile on the location up to the rig anchor points. The location will be reshaped to the

original contour to the extent possible. The operator will reseed the area using the BLM recommended seed mixture and reclamation methods.

5. **Location and Type of Water Supply:**

Please see the Natural Buttes SOP.

6. **Source of Construction Materials:**

Please see the Natural Buttes SOP.

7. **Methods of Handling Waste Materials:**

Please see the Natural Buttes SOP.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E, Pipeline Facility Sec. 36, T9S, R20E, Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad layout and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s). The cross-section is not necessary, as it identical to the twin location of NBU #354. If necessary, please reference the cross section for NBU #354.

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. Plans for Reclamation of the Surface:

Please see the Natural Buttes SOP.

Operator shall call the BLM for the seed mixture when final reclamation occurs.

11. Surface/Mineral Ownership:

The well pad, access road, pipeline and mineral ownership are listed below:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

12. Stipulations/Notices/Mitigation

No stipulations or Notices for this location.

13. Other Information:

A Class III archaeological survey and a paleontological survey have been performed and will be submitted.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

14. Lessee's or Operator's Representative & Certification:

Kevin McIntyre
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
P.O. Box 173779
Denver, CO 80217-3779
(720) 929-6226

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

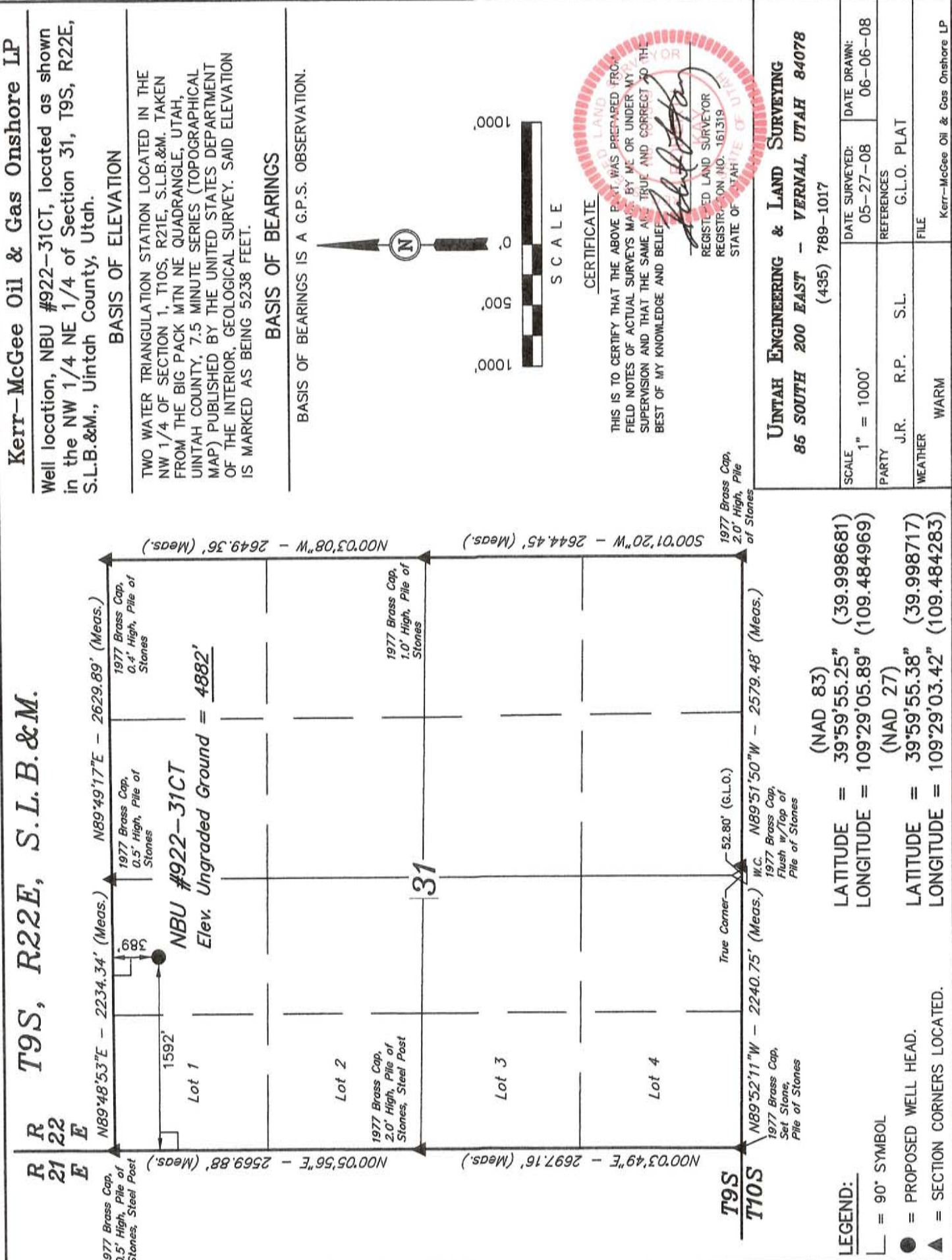
Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by BLM Nationwide Bond #WYB000291.

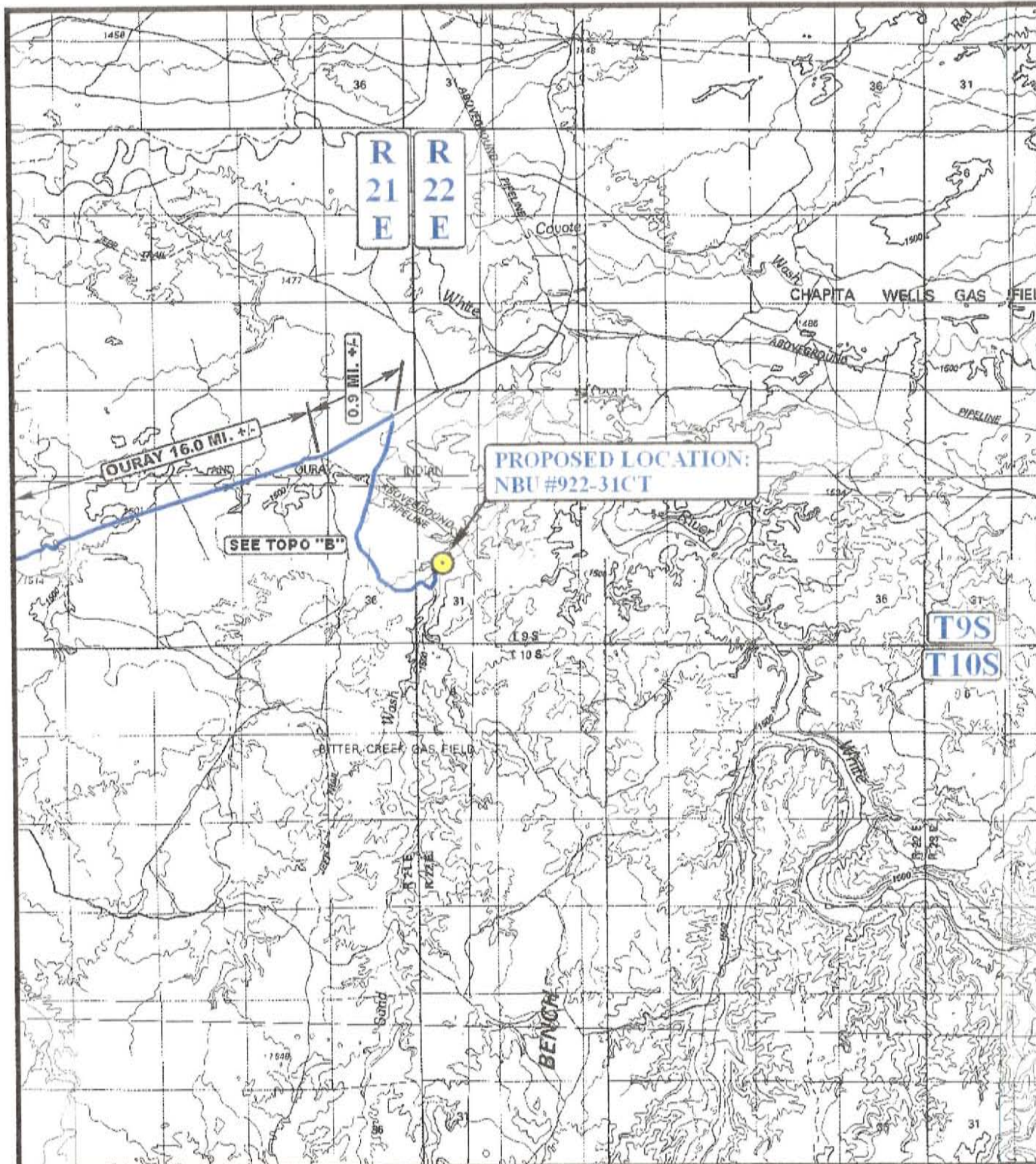
I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Kevin McIntyre

11/7/2008
Date

'APIWellNo:43047502260000'





LEGEND:

 PROPOSED LOCATION

Kerr-McGee Oil & Gas Onshore LP

NBU #922-31CT

SECTION 31, T9S, R22E, S.L.B.&M.

389' ENL 1592' FWL



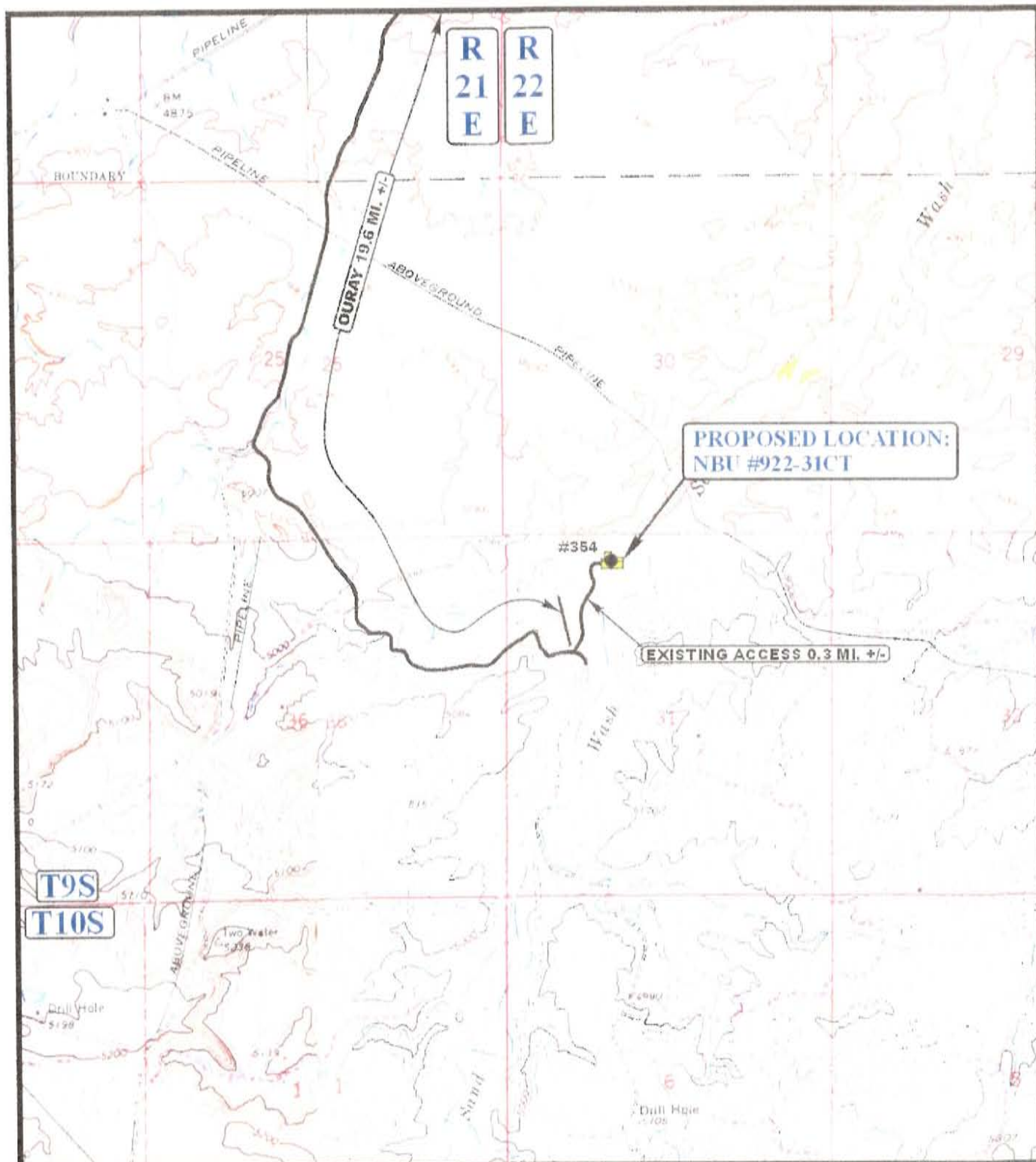
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC MAP

SCALE: 1:100,000 DRAWN BY: S.L. REVISED: 00-00-00





LEGEND:

— EXISTING ROAD



Kerr-McGee Oil & Gas Onshore LP

NBU #922-31CT

SECTION 31, T9S, R22E, S.L.B.&M.

389' FNL 1592' FWL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

06 13 08
MONTH DAY YEAR

SCALE: 1" = 2000'

DRAWN BY: S.L.

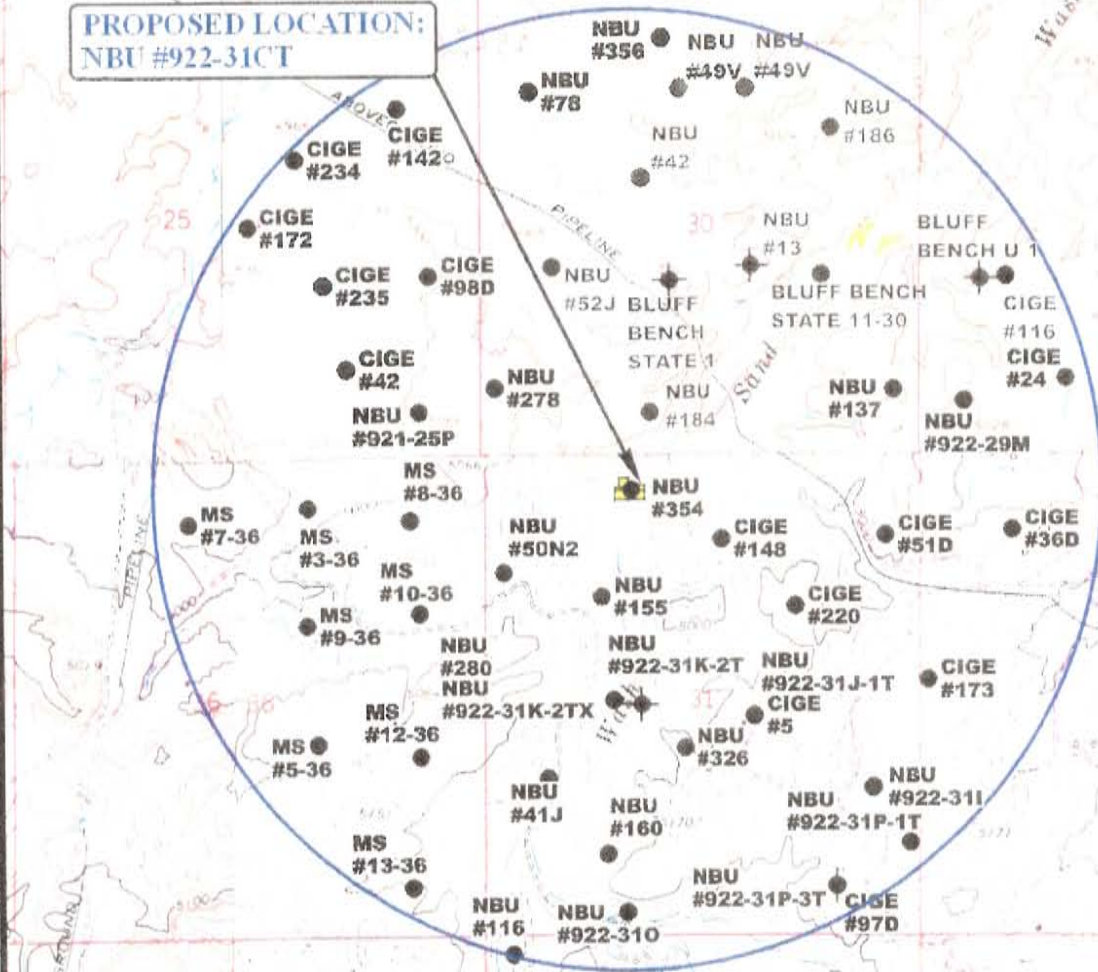
REVISED: 00-00-00



R
21
E

R
22
E

PROPOSED LOCATION:
NBU #922-31CT



T9S
T10S

LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



Kerr-McGee Oil & Gas Onshore LP

NBU #922-31CT
SECTION 31, T9S, R22E, S.L.B.&M.
389' FNL 1592' FWL



Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

06 13 08
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: S.L. REVISED: 00-00-00



Kerr-McGee Oil & Gas Onshore LP
NBU #922-31CT
SECTION 31, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 2.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 0.3 MILES NBU #354 AND THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.9 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #922-31CT

LOCATED IN UINTAH COUNTY, UTAH
SECTION 31, T9S, R22E, S.L.B.&M.

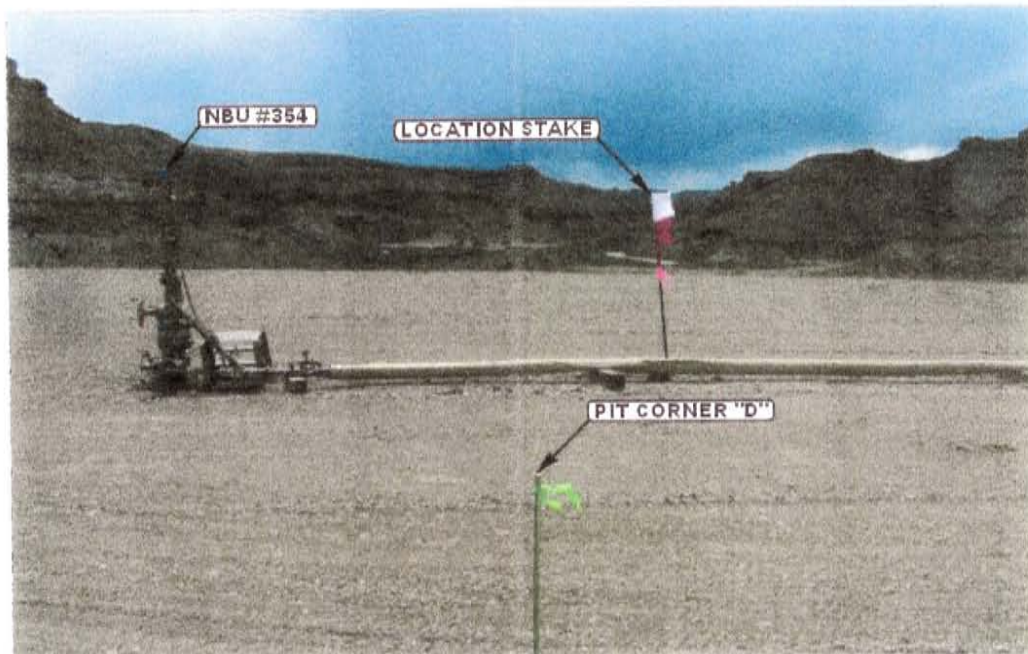


PHOTO: VIEW FROM PIT CORNER "D" TO LOCATION STAKE

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: EASTERLY



• Since 1964 •

Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

TAKEN BY: L.K.

DRAWN BY: S.L.

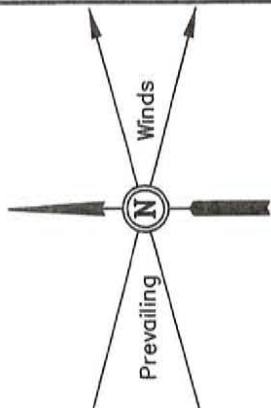
06 13 08
MONTH DAY YEAR
REVISED: 00-00-00

PHOTO

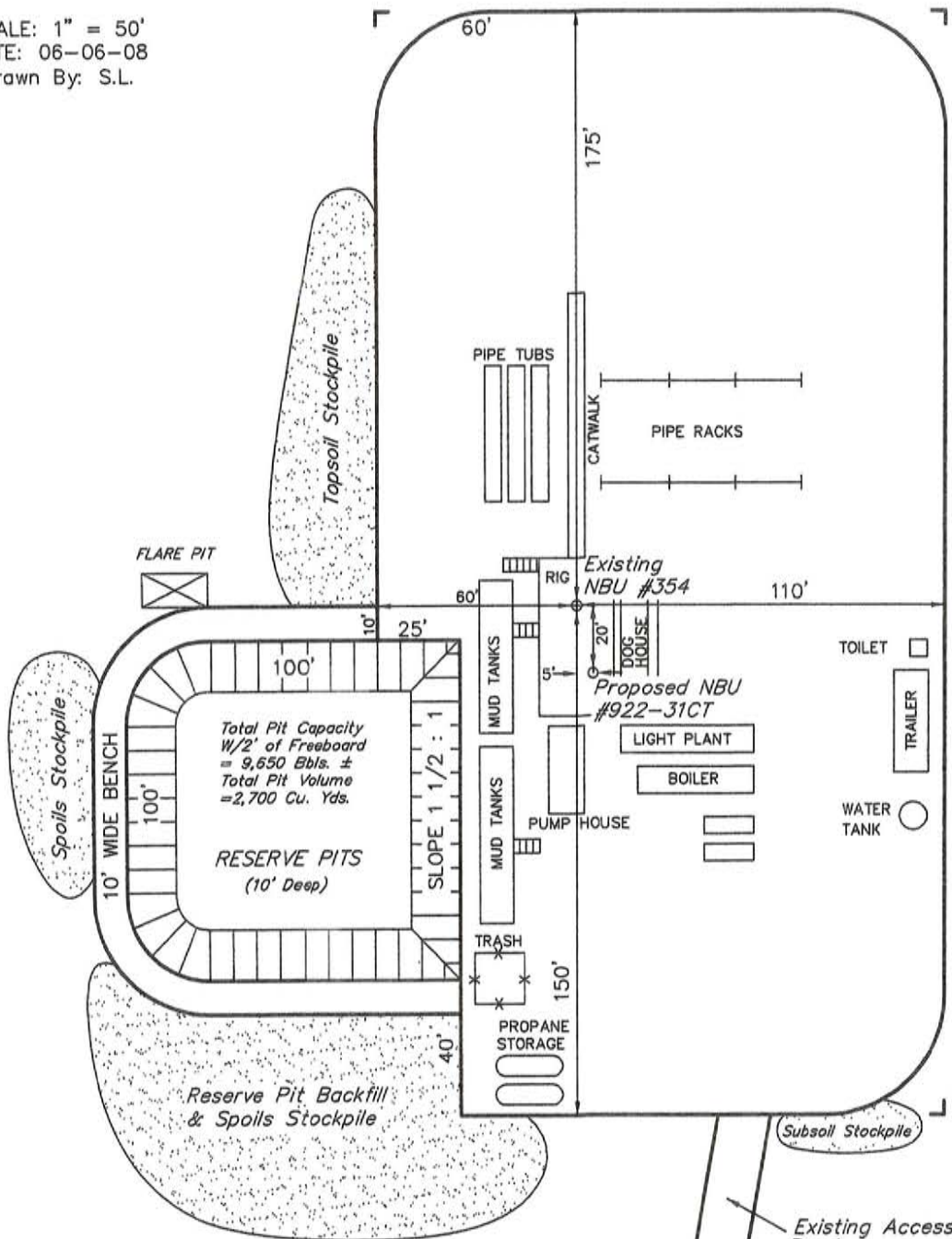
Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR
NBU #922-31CT
SECTION 31, T9S, R22E, S.L.B.&M.
389' FNL 1592' FWL



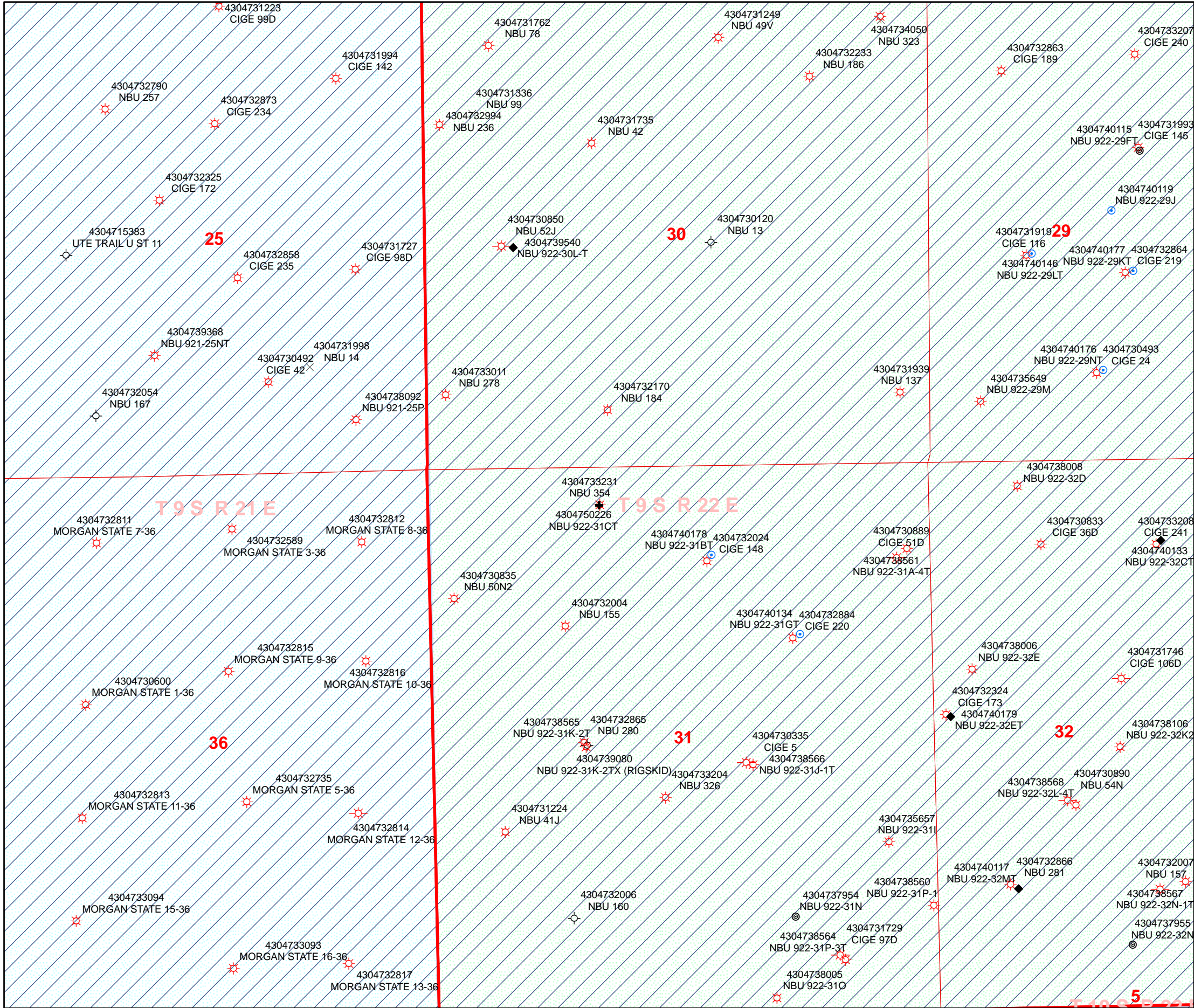
SCALE: 1" = 50'
DATE: 06-06-08
Drawn By: S.L.



NOTES:

FINISHED GRADE ELEV. AT LOC. STAKE = 4882.2'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

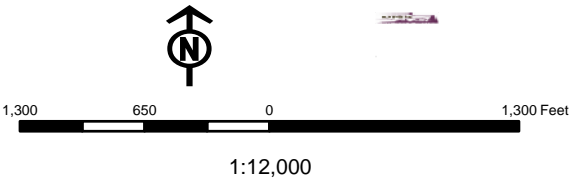


API Number: 4304750226
Well Name: NBU 922-31CT
Township 09.0 S Range 22.0 E Section 31
Meridian: SLBM
Operator: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
ACTIVE
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED
Fields
STATUS
ACTIVE
COMBINED
Sections
Township

Wells Query Events
X <all other values>
GIS_STAT_TYPE
<Null>
APD
DRL
GI
GS
LA
NEW
OPS
PA
PGW
POW
RET
SGW
SOW
TA
TW
WD
WI
WS



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160
(UT-922)

November 21, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2008 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ WASATCH-MESA VERDE)		
43-047-50224	NBU 1022-14H4S Sec 14	T10S R22E 1229 FNL 1397 FEL
	BHL Sec 14	T10S R22E 2045 FNL 0600 FEL
43-047-50225	NBU 1022-14H1S Sec 14	T10S R22E 1231 FNL 1357 FEL
	BHL Sec 14	T10S R22E 1560 FNL 0600 FEL
43-047-50227	NBU 1022-14A4S Sec 14	T10S R22E 1230 FNL 1377 FEL
	BHL Sec 14	T10S R22E 0825 FNL 0600 FEL
43-047-50228	NBU 1022-14A1S Sec 14	T10S R22E 1228 FNL 1417 FEL
	BHL Sec 14	T10S R22E 0345 FNL 0600 FEL
43-047-50226	NBU 922-31CT Sec 31	T09S R22E 0389 FNL 1592 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:11-21-08

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/17/2008

WELL NAME: NBU 922-31CT

OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995)

CONTACT: Kevin McIntyre

API NO. ASSIGNED: 43047502260000

PHONE NUMBER: 720 929-6226

PROPOSED LOCATION: NENW 31 090S 220E

SURFACE: 0389 FNL 1592 FWL

BOTTOM: 0389 FNL 1592 FWL

COUNTY: UINTAH

LATITUDE: 39.99880

UTM SURF EASTINGS: 629399.00

FIELD NAME: NATURAL BUTTES

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-0464

SURFACE OWNER: 1 - Federal

Permit Tech Review: ☒

Engineering Review: ☐

Geology Review: ☒

LONGITUDE: -109.48417

NORTHINGS: 4428514.00

PROPOSED FORMATION: WSMVD

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

☒ **PLAT**

☒ **Bond:** FEDERAL - WYB000291

☐ **Potash**

☒ **Oil Shale 190-5**

☐ **Oil Shale 190-3**

☐ **Oil Shale 190-13**

☒ **Water Permit:** Permit #43-8496

☐ **RDCC Review:**

☐ **Fee Surface Agreement**

☐ **Intent to Commingle**

LOCATION AND SITING:

☐ **R649-2-3.**

Unit: NATURAL BUTTES

☐ **R649-3-2. General**

☐ **R649-3-3. Exception**

☒ **Drilling Unit**

Board Cause No: Cause 173-14

Effective Date: 12/2/1999

Siting: 460' fr u bdry & uncomm. tract

☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason
17 - Oil Shale 190-5(b) - dmason



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: NBU 922-31CT
API Well Number: 43047502260000
Lease Number: UTU-0464
Surface Owner: FEDERAL
Approval Date: 12/4/2008

Issued to:

KERR-MCGEE OIL & GAS ONSHORE, L.P. , P.O. Box 173779, Denver, CO 80217

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 173-14 .

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with the Order in Cause No. 190-5(b) dated October 28, 1982, the operator shall comply with the requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operators shall ensure that the surface and or production casing is properly cemented over the entire oil shale section as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the division.

Notification Requirements:

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

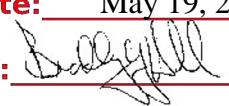
Reporting Requirements:

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

Approved By:

A handwritten signature in black ink, appearing to read "Gil Hunt", written over a horizontal line.

For Gil Hunt
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0464			
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES			
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 922-31CT			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0389 FNL 1592 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 31 Township: 09.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047502260000			
PHONE NUMBER: 720 929-6587 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES			
COUNTY: UINTAH		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/21/2009 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER:
<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER:			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests to change the surface location of this well. The surface location is changing FROM: 389' FNL 1592' FWL TO: 389' FNL 1632' FWL. All other information as originally submitted remains the same. No additional surface disturbance from that amount approved in the original APD is anticipated. If you have any questions, please contact the undersigned. Thank you.					
Approved by the Utah Division of Oil, Gas and Mining		Date: May 19, 2009 By: 			
NAME (PLEASE PRINT) Danielle Piernot	PHONE NUMBER 720 929-6156	TITLE Regulatory Analyst			
SIGNATURE N/A	DATE 5/18/2009				

RECEIVED May 18, 2009

Kerr-McGee Oil & Gas Onshore LP

NBU #922-31CT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 31, T9S, R22E, S.L.B.&M.



PHOTO: VIEW FROM PIT CORNER "D" TO LOCATION STAKE

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: EASTERLY



- Since 1964 -

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

06 13 08
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: S.L.

REV: Z.L. 03-11-09

T9S, R22E, S.L.B.&M.

R
21
E

1977 Brass Cap,
0.5' High, Pile of
Stones, Steel Post

N89°48'53"E - 2234.34' (Meas.)

1977 Brass Cap,
0.5' High, Pile of
Stones

1977 Brass Cap,
0.4' High, Pile of
Stones

Lot 1

NBU #922-31CT

Elev. Ungraded Ground = 4882'

Lot 2

1977 Brass Cap,
2.0' High, Pile of
Stones, Steel Post

1977 Brass Cap,
1.0' High, Pile of
Stones

31

N00°03'08"W - 2649.36' (Meas.)

N00°03'49"E - 2697.16' (Meas.)

Lot 3

Lot 4

True Corner
52.80' (G.L.O.)

T9S
T10S

N89°52'11"W - 2240.75' (Meas.)

1977 Brass Cap,
Set Stone,
Pile of Stones

1977 Brass Cap,
Flush w/Top of
Pile of Stones

w.c. N89°51'50"W - 2579.48' (Meas.)

1977 Brass Cap,
2.0' High, Pile
of Stones

S00°01'20"W - 2644.45' (Meas.)

Kerr-McGee Oil & Gas Onshore LP

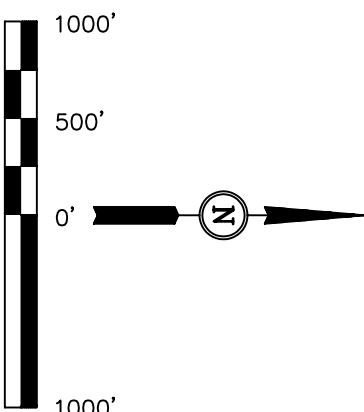
Well location, NBU #922-31CT, located as shown in the NW 1/4 NE 1/4 of Section 31, T9S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
STATE OF UTAH
NO. 161319

REV: 03-11-09 K.E.

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 39°59'55.25" (39.998681)
LONGITUDE = 109°29'05.37" (109.484825)

(NAD 27)
LATITUDE = 39°59'55.38" (39.998717)
LONGITUDE = 109°29'02.90" (109.484139)

SCALE	1" = 1000'		DATE SURVEYED:	05-27-08	DATE DRAWN:	06-06-08
PARTY	J.R.	R.P.	S.L.	REFERENCES	G.L.O. PLAT	
WEATHER	WARM			FILE	Kerr-McGee Oil & Gas Onshore LP	

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR

NBU #922-31CT
SECTION 31, T9S, R22E, S.L.B.&M.
389' FNL 1632' FWL

NBU #354

(NAD 83)

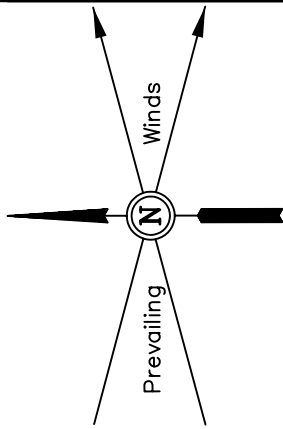
LATITUDE = 39°59'55.30" (39.998694)

LONGITUDE = 109°29'05.63" (109.484897)

(NAD 27)

LATITUDE = 39°59'55.43" (39.998731)

LONGITUDE = 109°29'03.16" (109.484211)

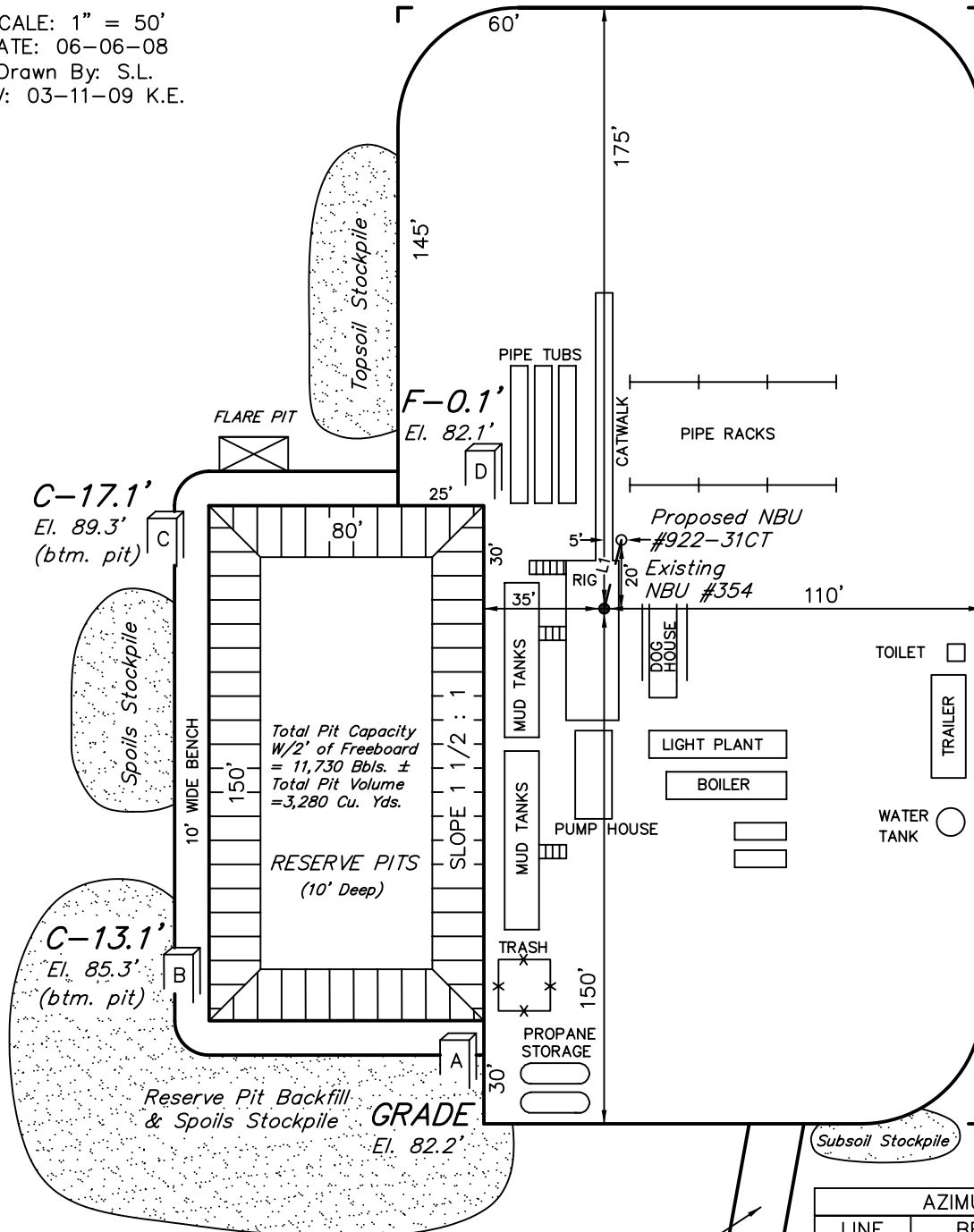
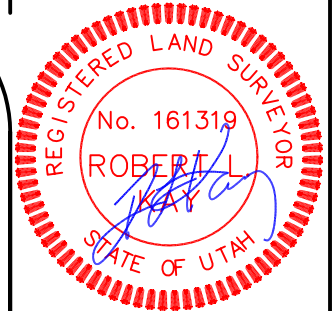


SCALE: 1" = 50'

DATE: 06-06-08

Drawn By: S.L.

REV: 03-11-09 K.E.



NOTES:

FINISHED GRADE ELEV. AT LOC. STAKE = 4882.2'

Existing Access Road

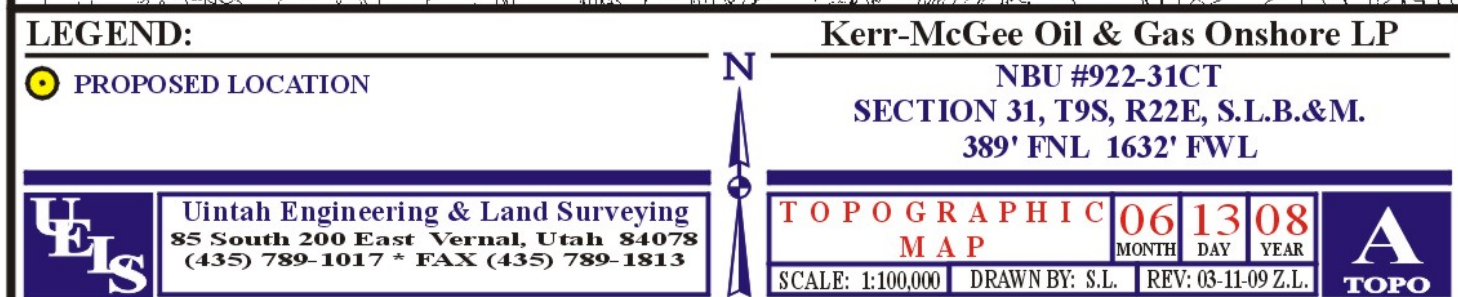
AZIMUTH TABLE		
LINE	BEARING	LENGTH
L1	104.729444 Az.	20.62'

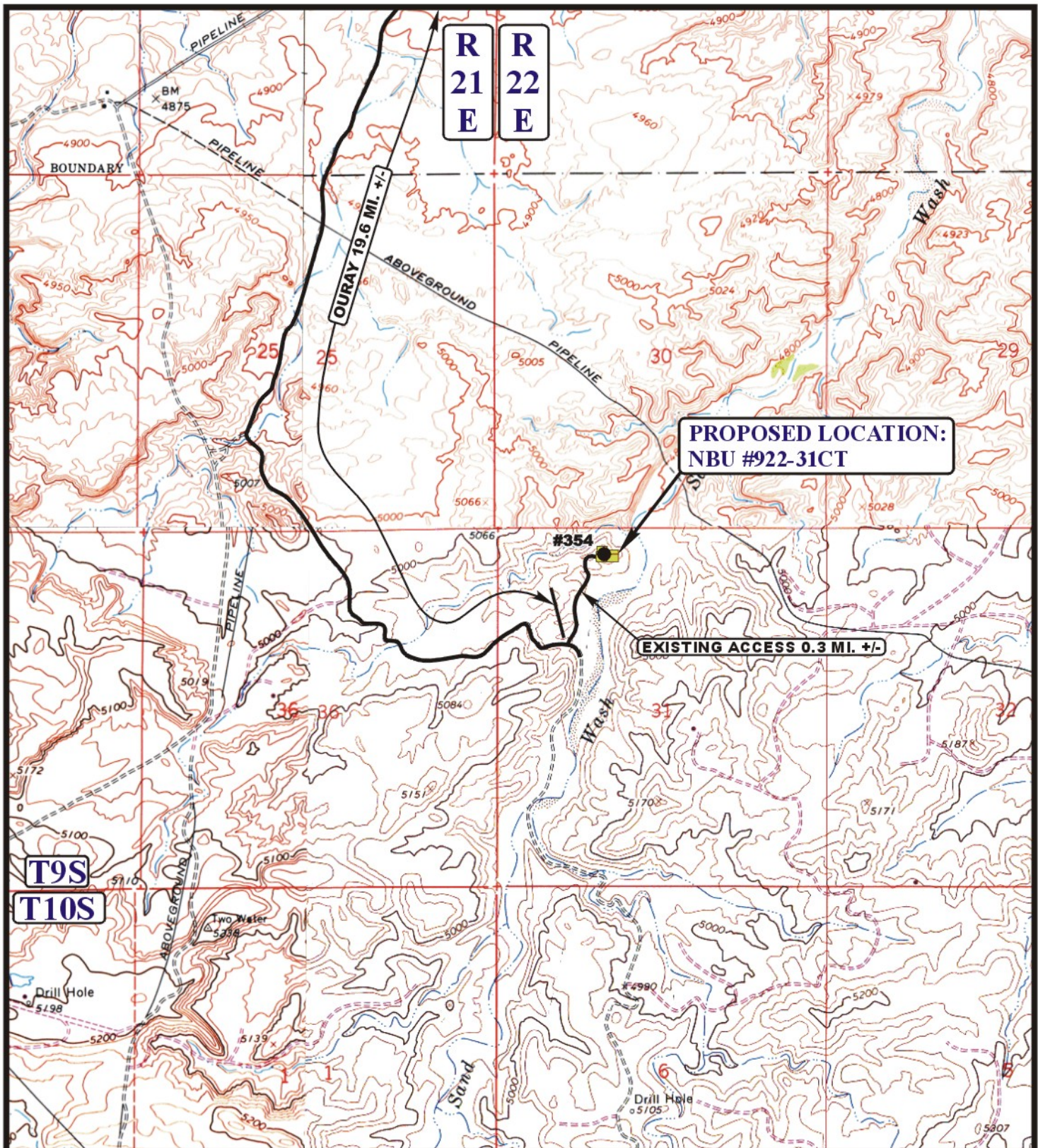
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

Kerr-McGee Oil & Gas Onshore LP
NBU #922-31CT
SECTION 31, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 2.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 0.3 MILES NBU #354 AND THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.9 MILES.





LEGEND:

— EXISTING ROAD

Kerr-McGee Oil & Gas Onshore LP

NBU #922-31CT

SECTION 31, T9S, R22E, S.L.B.&M.

389' FNL 1632' FWL



Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

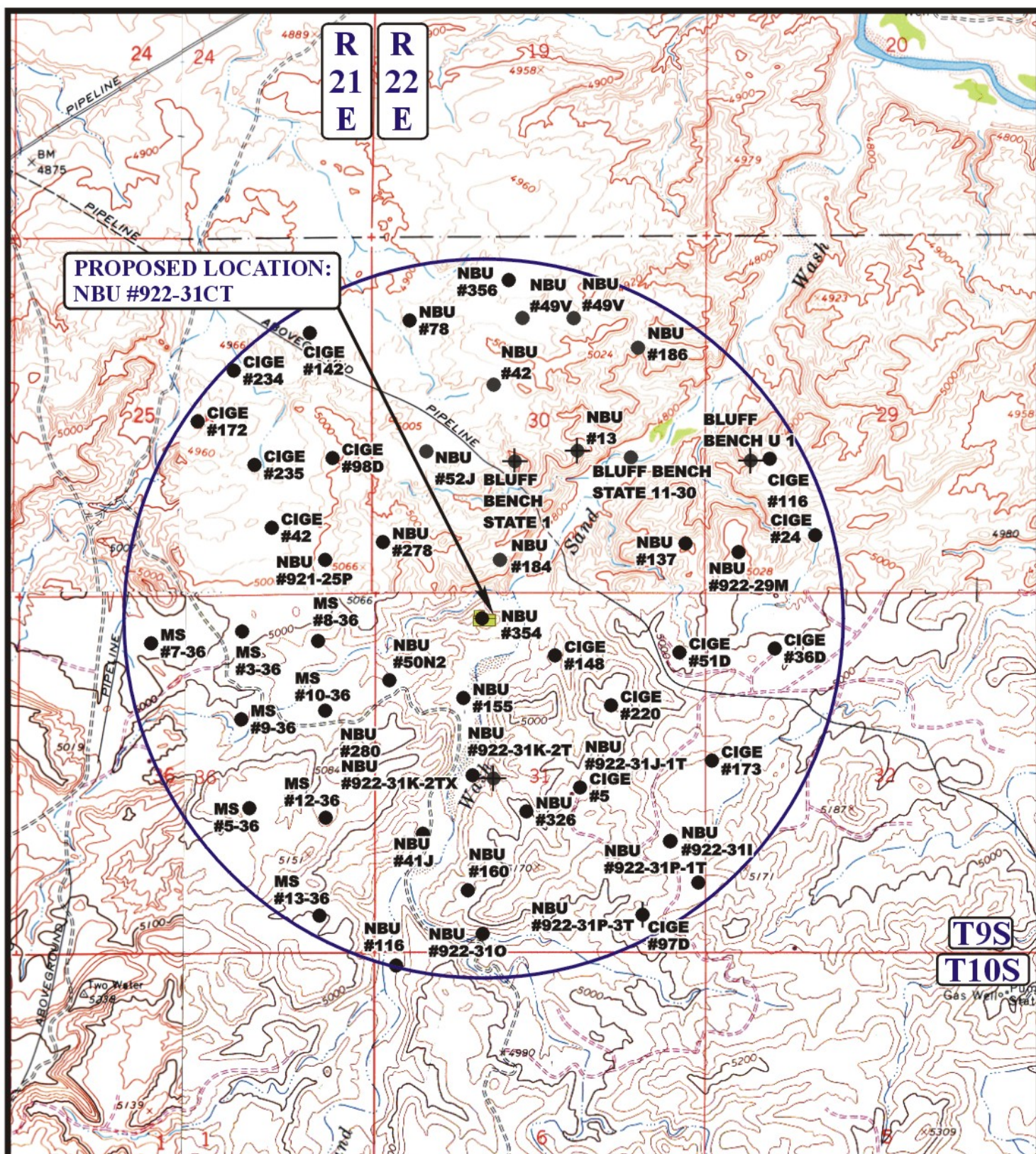


TOPOGRAPHIC
MAP

06 13 08
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: S.L. REV: 03-11-09 Z.L.





LEGEND:

- | | | | |
|---|-----------------|---|-----------------------|
|  | DISPOSAL WELLS |  | WATER WELLS |
|  | PRODUCING WELLS |  | ABANDONED WELLS |
|  | SHUT IN WELLS |  | TEMPORARILY ABANDONED |

Kerr-McGee Oil & Gas Onshore LP

NBU #922-31CT

SECTION 31, T9S, R22E, S.L.B.&M.

389' FNL 1632' FWL



Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

06 13 08
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: S.L. REV: 03-11-09 Z.L.

C
TOPO

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0464
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 922-31CT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0389 FNL 1632 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 31 Township: 09.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047502260000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 10/27/2009	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL LOCATION ON 10/27/2009 AT 07:00 HRS.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 03, 2009		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 10/30/2009	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
Address: P.O. Box 173779
city DENVER
state CO zip 80217 Phone Number: (720) 929-6100

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750226	NBU 922-31CT		NENW	31	9S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>B</u>	99999	<u>2900</u>	10/27/2009			<u>11/10/09</u>	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 10/27/2009 AT 7:00 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304740154	NBU 1022-512T		NESE	5	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>B</u>	99999	<u>2900</u>	10/27/2009			<u>11/10/09</u>	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>MVRD = WSMVD</u> SPUD WELL LOCATION ON 10/27/2009 AT 16:00 HRS.							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750386	NBU 921-25L4BS		NWSW	25	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>B</u>	99999	<u>2900</u>	10/27/2009			<u>11/10/09</u>	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 10/27/2009 AT 09:00 HRS. <u>BHL = NWSW</u>							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

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NOV 02 2009

ANDY LYTLE

Name (Please Print)

Signature

REGULATORY ANALYST

Title

10/30/2009

Date

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0464
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 922-31CT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0389 FNL 1632 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 31 Township: 09.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047502260000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 12/2/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER	
	OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU PROPETRO AIR RIG ON 11/30/2009. DRILLED 12-1/4" SURFACE HOLE TO 2280'. RAN 9-5/8" 36# J-55 SURFACE CSG. LEAD CMT W/210 SX CLASS G PREM LITE @ 11.0 PPG, 3.82 YIELD. TAILED CMT W/200 SX CLASS G PREM LITE @ 15.8 PPG, 1.15 YIELD. BUMP PLUG, FLOATS HELD. TOP OUT W/120 SX CLASS G PREM LITE @ 15.8 PPG, 1.15 YIELD. PUMP TOP OUT #2 W/100 SX SAME CMT. PUMP TOP OUT #3 W/100 SX SAME CMT. WORT.		
<div style="text-align: right;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 07, 2009 </div>		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 12/3/2009	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0464
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 922-31CT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0389 FNL 1632 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 31 Township: 09.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047502260000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/3/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
FINISHED DRILLING FROM 2280' TO 9335' ON 01/01/2010. RAN 4-1/2" 11.6# I-80 PRODUCTION CASING. PUMP 40 BBLS WATER SPACER. LEAD CMT W/ 475 SX CLASS G PREM LITE @ 11.7 PPG, 2.49 YIELD. TAILED CMT W/ 127 SX CLASS G 50/50 POZ MIX @ 14.3 PPG, 1.31 YIELD. DROP PLUG & DISPLACE W/ 145 BBLS CLAYTREAT WATER, BUMP PLUG W/ 3200 PSI, FINAL LIFT PSI OF 2300, FULL RETURNS THROUGHOUT JOB, 15 BBLS CEMENT TO PITS, 1 BACK TO TRUCK, FLUSH OUT STACK & LAND CASING W/ 65K, R/D. RELEASE PIONEER 69 RIG ON 01/03/2010 AT 12:00 HRS.		
<div style="text-align: right;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 05, 2010 </div>		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 1/5/2010	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0464
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 922-31CT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0389 FNL 1632 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 31 Township: 09.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047502260000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/29/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The subject well was placed on production on 1/29/2010 at 11:30 A.M. The chronological well history will be submitted with the completion report.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 01, 2010		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 2/1/2010	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No. UTU63047A		
2. Name of Operator KERR-MCGEE OIL&GAS ONSHORE LLC			8. Lease Name and Well No. NBU 922-31CT		
3. Address P.O. BOX 173779 DENVER, CO 80217			9. API Well No. 43-047-50226		
3a. Phone No. (include area code) Ph: 720-929-6100			10. Field and Pool, or Exploratory NATURAL BUTTES		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NENW 389FNL 1632FWL 39.99872 N Lat, 109.48414 W Lon At top prod interval reported below NENW 389FNL 1632FWL 39.99872 N Lat, 109.48414 W Lon At total depth NENW 389FNL 1632FWL 39.99872 N Lat, 109.48414 W Lon			11. Sec., T., R., M., or Block and Survey or Area Sec 31 T9S R22E Mer SLB		
14. Date Spudded 10/27/2009			15. Date T.D. Reached 01/01/2010		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 01/29/2010			17. Elevations (DF, KB, RT, GL)* 4882 GL		
18. Total Depth: MD 9335 TVD 9331			19. Plug Back T.D.: MD 9286 TVD 9282		
20. Depth Bridge Plug Set: MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) LGR/CBL-HDIL/ZDL/ACN		
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)					

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STEEL	36.7		40		28			
12.000	9.625 J-55	36.0		2269		735			
7.875	4.500 I-80	11.6		9330		1751		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	8713							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	7118	9259	7118 TO 9259	0.360	312	OPEN
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
7118 TO 9259	PMP 10,033 BBLs SLICK H2O & 387,220 LBS 30/50 SD.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
01/29/2010	02/01/2010	24	→	200.0	2721.0	400.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
20/64	2040 SI	2685.0	→	200	2721	400		PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #82111 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

DIV. OF OIL, GAS & MINING

RECEIVED
MAR 08 2010

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER	1214				
MAHOGANY	1936				
WASATCH	4502	7092			
MESAVERDE	7104	9343			

32. Additional remarks (include plugging procedure):

ATTACHED TO THIS WELL COMPLETION REPORT IS THE CHRONOLOGICAL WELL HISTORY AND END OF WELL REPORT.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #82111 Verified by the BLM Well Information System.
For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal

Name (please print) ANDY LYTLE

Title REGULATORY ANALYST

Signature  (Electronic Submission)

Date 03/01/2010

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****



END OF WELL REPORT

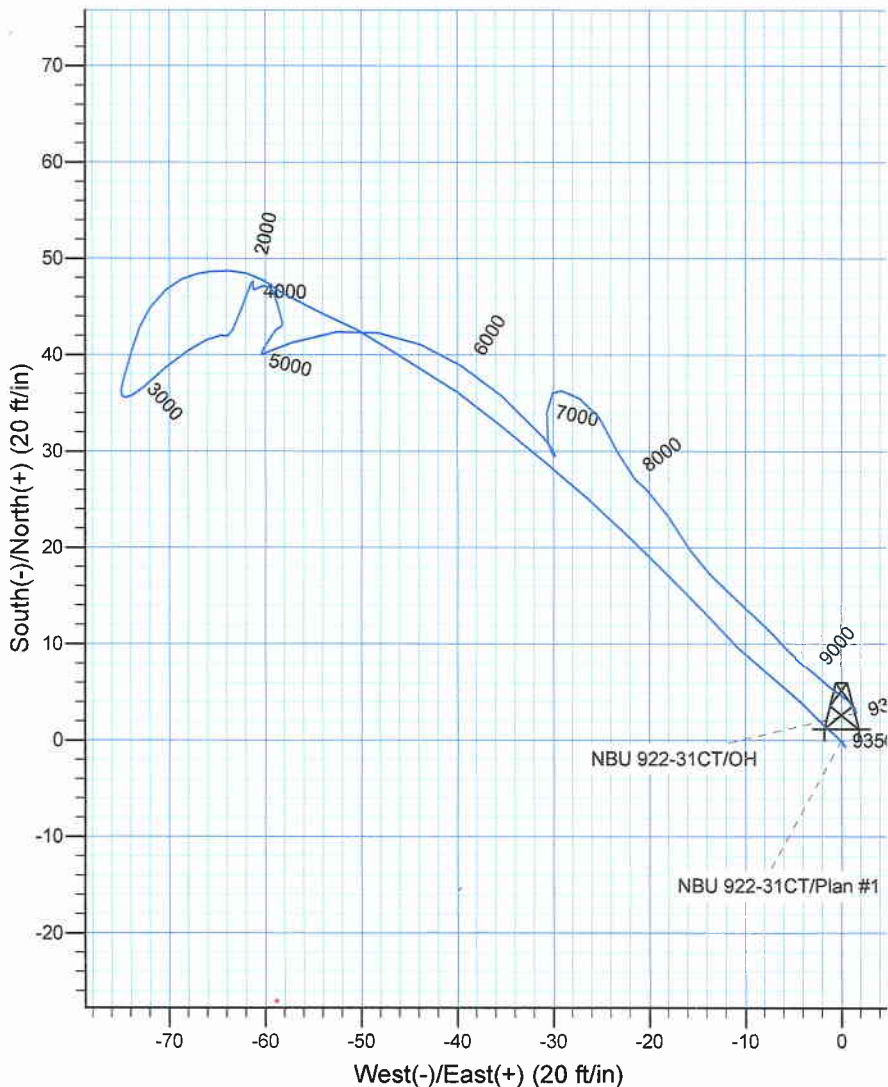
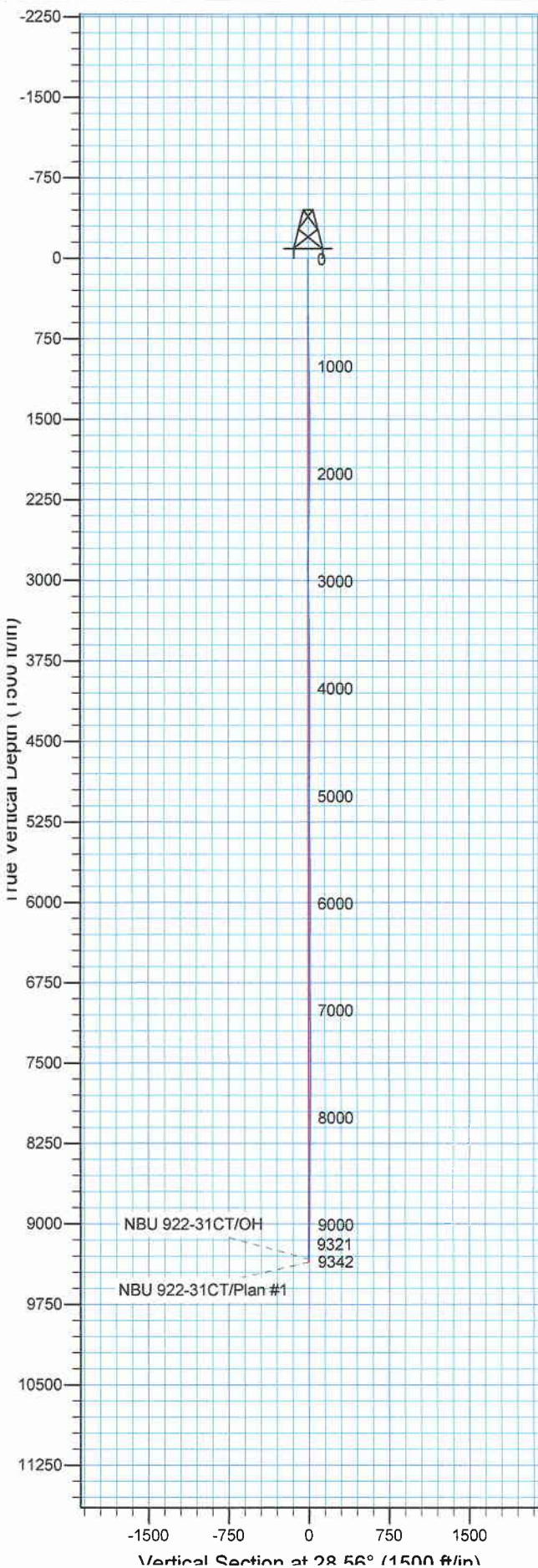
Prepared For:

**Kerr McGee Oil & Gas Onshore LP
NBU 922-31CT
NBU 922-31CT Pad
Pioneer 69
Uintah County, UT**

Prepared By:

***Rex Hall, Grand Junction D.E.
Scientific Drilling
Rocky Mountain Region***

Scientific Drilling International
7237 W. Barton Rd., Casper, WY 82604
P.O. Box 1600, Mills, WY 82644
(307) 472-6621
rex.hall@scientificdrilling.com



WELL DETAILS: NBU 922-31CT

Ground Level: GL 4882' & RKB 18' @ 4900.00ft (Pioneer 69)
+N/-S +E/-W Northing Easting Latitude Longitude
0.00 0.00 14529187.37 2064962.82 39° 59' 55.380 N 109° 29' 2.900 W

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well NBU 922-31CT, True North
Vertical (TVD) Reference: GL 4882' & RKB 18' @ 4900.00ft (Pioneer 69)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: GL 4882' & RKB 18' @ 4900.00ft (Pioneer 69)
Calculation Method: Minimum Curvature
Local North: True
Location: Sec 31 T10S R22E

PROJECT DETAILS: Uintah County, UT UTM12

Geodetic System: Universal Transverse Mercator (US Survey Feet)
Datum: NAD 1927 - Western US
Ellipsoid: Clarke 1866
Zone: Zone 12N (114 W to 108 W)

Design: OH (NBU 922-31CT/OH)

Created By: Rex Hall Date: 2010-01-20



Kerr McGee Oil and Gas Onshore LP

Uintah County, UT UTM12

NBU 922-31CT

NBU 922-31CT

OH

Design: OH

Standard Survey Report

20 January, 2010



Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 922-31CT
Well: NBU 922-31CT
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 922-31CT
TVD Reference: GL 4882' & RKB 18' @ 4900.00ft (Pioneer 69)
MD Reference: GL 4882' & RKB 18' @ 4900.00ft (Pioneer 69)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Project	Uintah County, UT UTM12		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site		NBU 922-31CT, Sec 31 T10S R22E			
Site Position:		Northing:	14,529,187.37 ft	Latitude:	39° 59' 55.380 N
From:	Lat/Long	Easting:	2,064,962.82 ft	Longitude:	109° 29' 2.900 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.97 °

Well	NBU 922-31CT, 389' FNL & 1632' FWL					
Well Position	+N/-S	0.00 ft	Northing:	14,529,187.37 ft	Latitude:	39° 59' 55.380 N
	+E/-W	0.00 ft	Easting:	2,064,962.82 ft	Longitude:	109° 29' 2.900 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	4,882.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	11/30/2009	11.25	65.92	52,515

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	14.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	14.00	0.00	0.00	28.56	

Survey Program	Date 1/20/2010				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
162.00	2,232.00	Survey #1 - Surface (OH)	MWD SDI	MWD - Standard ver 1.0.1	
2,302.00	9,335.00	Survey #2 - Production (OH)	MWD SDI	MWD - Standard ver 1.0.1	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
14.00	0.00	0.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00
162.00	0.39	155.19	162.00	-0.46	0.21	-0.30	0.26	0.26	0.00
252.00	0.11	73.58	252.00	-0.71	0.42	-0.42	0.43	-0.31	-90.68
342.00	0.95	315.56	341.99	-0.15	-0.02	-0.14	1.12	0.93	-131.13
432.00	2.09	312.42	431.96	1.49	-1.75	0.47	1.27	1.27	-3.49
522.00	2.55	315.56	521.89	4.02	-4.36	1.45	0.53	0.51	3.49
612.00	2.69	306.09	611.79	6.70	-7.47	2.31	0.50	0.16	-10.52
702.00	3.02	315.83	701.68	9.64	-10.83	3.29	0.65	0.37	10.82
792.00	3.12	316.75	791.55	13.13	-14.16	4.76	0.12	0.11	1.02
882.00	3.66	314.50	881.40	16.92	-17.89	6.31	0.62	0.60	-2.50
972.00	3.77	313.98	971.21	20.99	-22.07	7.89	0.13	0.12	-0.58
1,062.00	3.77	312.42	1,061.01	25.04	-26.38	9.38	0.11	0.00	-1.73

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 922-31CT
Well: NBU 922-31CT
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 922-31CT
TVD Reference: GL 4882' & RKB 18' @ 4900.00ft (Pioneer 69)
MD Reference: GL 4882' & RKB 18' @ 4900.00ft (Pioneer 69)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,152.00	4.11	308.43	1,150.80	29.04	-31.09	10.65	0.49	0.38	-4.43
1,242.00	3.70	309.90	1,240.59	32.91	-35.84	11.77	0.47	-0.46	1.63
1,332.00	2.91	304.28	1,330.44	36.06	-39.96	12.57	0.95	-0.88	-6.24
1,422.00	3.00	300.55	1,420.32	38.54	-43.88	12.88	0.24	0.10	-4.14
1,512.00	2.36	303.49	1,510.22	40.76	-47.45	13.12	0.73	-0.71	3.27
1,602.00	2.32	299.12	1,600.15	42.67	-50.59	13.30	0.20	-0.04	-4.86
1,692.00	2.36	289.92	1,690.07	44.19	-53.92	13.04	0.42	0.04	-10.22
1,812.00	2.08	304.95	1,809.98	46.28	-58.03	12.91	0.54	-0.23	12.52
1,902.00	1.29	300.08	1,899.94	47.72	-60.24	13.12	0.89	-0.88	-5.41
1,992.00	1.04	284.05	1,989.92	48.43	-61.91	12.94	0.45	-0.28	-17.81
2,082.00	1.18	274.87	2,079.91	48.70	-63.63	12.36	0.25	0.16	-10.20
2,172.00	1.43	262.72	2,169.88	48.64	-65.67	11.33	0.41	0.28	-13.50
2,232.00	1.31	257.53	2,229.87	48.40	-67.08	10.44	0.29	-0.20	-8.65
2,302.00	1.32	244.68	2,299.85	47.88	-68.59	9.27	0.42	0.01	-18.36
2,392.00	1.41	228.24	2,389.82	46.70	-70.35	7.39	0.44	0.10	-18.27
2,494.00	1.41	213.56	2,491.79	44.82	-71.98	4.96	0.35	0.00	-14.39
2,583.00	1.58	204.51	2,580.76	42.79	-73.10	2.64	0.33	0.19	-10.17
2,678.00	1.76	194.58	2,675.72	40.19	-74.01	-0.08	0.36	0.19	-10.45
2,777.00	1.93	196.43	2,774.67	37.12	-74.86	-3.19	0.18	0.17	1.87
2,873.00	0.88	89.55	2,870.65	35.57	-74.58	-4.41	2.44	-1.09	-111.33
2,968.00	2.02	47.89	2,965.62	36.70	-72.61	-2.48	1.56	1.20	-43.85
3,057.00	1.76	49.03	3,054.57	38.65	-70.41	0.29	0.30	-0.29	1.28
3,158.00	1.67	57.91	3,155.53	40.45	-67.99	3.02	0.28	-0.09	8.79
3,248.00	1.14	63.71	3,245.50	41.54	-66.08	4.90	0.61	-0.59	6.44
3,346.00	0.70	84.45	3,343.49	42.03	-64.61	6.03	0.56	-0.45	21.16
3,434.00	0.26	134.29	3,431.49	41.94	-63.93	6.28	0.65	-0.50	56.64
3,538.00	0.88	25.39	3,535.48	42.50	-63.42	7.01	0.96	0.60	-104.71
3,626.00	1.58	20.82	3,623.46	44.24	-62.70	8.89	0.80	0.80	-5.19
3,723.00	0.97	20.47	3,720.44	46.26	-61.94	11.02	0.63	-0.63	-0.36
3,817.00	0.44	25.74	3,814.43	47.33	-61.50	12.17	0.57	-0.56	5.61
3,916.00	0.09	155.47	3,913.43	47.60	-61.31	12.51	0.51	-0.35	131.04
4,005.00	0.62	181.31	4,002.43	47.06	-61.29	12.04	0.61	0.60	29.03
4,106.00	0.53	49.82	4,103.42	46.81	-60.94	11.99	1.04	-0.09	-130.19
4,201.00	0.44	82.43	4,198.42	47.15	-60.25	12.61	0.30	-0.09	34.33
4,292.00	0.44	118.82	4,289.92	47.02	-59.59	12.81	0.30	0.00	39.99
4,385.00	0.53	158.98	4,382.41	46.45	-59.13	12.53	0.37	0.10	43.18
4,490.00	0.88	165.58	4,487.41	45.21	-58.75	11.63	0.34	0.33	6.29
4,581.00	1.06	163.55	4,578.39	43.73	-58.34	10.52	0.20	0.20	-2.23
4,671.00	0.35	262.26	4,668.39	42.90	-58.38	9.77	1.30	-0.79	109.68
4,765.00	0.44	225.52	4,762.39	42.60	-58.92	9.26	0.28	0.10	-39.09
4,958.00	0.97	206.53	4,955.37	40.62	-60.18	6.91	0.30	0.27	-9.84
5,046.00	0.26	65.56	5,043.37	40.04	-60.33	6.33	1.34	-0.81	-160.19
5,239.00	1.67	68.81	5,236.33	41.24	-57.31	8.83	0.73	0.73	1.68
5,426.00	1.32	85.68	5,423.27	42.38	-52.62	12.07	0.30	-0.19	9.02
5,616.00	1.32	97.02	5,613.22	42.28	-48.26	14.07	0.14	0.00	5.97
5,806.00	1.41	113.28	5,803.17	41.09	-43.94	15.08	0.21	0.05	8.56
5,998.00	1.49	121.45	5,995.11	38.85	-39.64	15.18	0.12	0.04	4.26
6,182.00	1.76	130.33	6,179.03	35.78	-35.45	14.48	0.20	0.15	4.83
6,381.00	1.85	138.77	6,377.93	31.38	-31.00	12.74	0.14	0.05	4.24
6,470.00	0.70	163.47	6,466.91	29.78	-29.90	11.86	1.40	-1.29	27.75
6,566.00	0.26	329.40	6,562.91	29.41	-29.85	11.56	0.99	-0.46	172.84
6,660.00	0.35	313.50	6,656.91	29.79	-30.16	11.75	0.13	0.10	-16.91
6,756.00	1.06	349.18	6,752.90	30.86	-30.54	12.51	0.84	0.74	37.17
6,946.00	0.88	6.76	6,942.87	34.04	-30.70	15.22	0.18	-0.09	9.25

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 922-31CT
Well: NBU 922-31CT
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 922-31CT
TVD Reference: GL 4882' & RKB 18' @ 4900.00ft (Pioneer 69)
MD Reference: GL 4882' & RKB 18' @ 4900.00ft (Pioneer 69)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,137.00	0.44	36.46	7,133.86	36.08	-30.09	17.31	0.28	-0.23	15.55
7,314.00	0.44	123.83	7,310.86	36.25	-29.12	17.92	0.34	0.00	49.36
7,514.00	0.70	106.43	7,510.85	35.48	-27.31	18.11	0.15	0.13	-8.70
7,702.00	1.14	149.58	7,698.83	33.54	-25.26	17.38	0.42	0.23	22.95
7,896.00	1.41	153.71	7,892.78	29.74	-23.23	15.01	0.15	0.14	2.13
8,056.00	0.88	134.81	8,052.75	27.11	-21.49	13.54	0.40	-0.33	-11.81
8,146.00	1.06	130.51	8,142.73	26.08	-20.36	13.17	0.22	0.20	-4.78
8,341.00	1.06	150.90	8,337.70	23.33	-18.12	11.83	0.19	0.00	10.46
8,525.00	1.67	144.57	8,521.65	19.66	-15.73	9.75	0.34	0.33	-3.44
8,717.00	2.81	131.83	8,713.50	14.24	-10.60	7.44	0.64	0.59	-6.64
8,906.00	1.58	139.82	8,902.36	9.16	-5.47	5.43	0.67	-0.65	4.23
9,102.00	1.85	122.86	9,098.27	5.38	-1.07	4.21	0.29	0.14	-8.65
9,269.00	0.44	162.76	9,265.23	3.30	1.38	3.56	0.92	-0.84	23.89
9,335.00	0.44	162.76	9,331.23	2.82	1.53	3.21	0.00	0.00	0.00

Targets
Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
NBU 922-31CT Rectang	0.00	0.00	9,356.00	-25.00	25.00	14,529,162.80	2,064,988.24	39° 59' 55.133 N	109° 29' 2.579 W
- actual wellpath misses target center by 44.02ft at 9335.00ft MD (9331.23 TVD, 2.82 N, 1.53 E)									
- Rectangle (sides W75.00 H95.00 D0.00)									
NBU 922-31CT PBHL	0.00	0.00	9,356.00	0.00	0.00	14,529,187.37	2,064,962.82	39° 59' 55.380 N	109° 29' 2.900 W
- actual wellpath misses target center by 24.98ft at 9335.00ft MD (9331.23 TVD, 2.82 N, 1.53 E)									
- Circle (radius 25.00)									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
162.00	162.00	-0.46	0.21	First SDI Surface MWD Survey
2,232.00	2,229.87	48.40	-67.08	Last SDI Surface MWD Survey
2,302.00	2,299.85	47.88	-68.59	First SDI Production MWD Survey
9,269.00	9,265.23	3.30	1.38	Last SDI Production MWD Survey
9,335.00	9,331.23	2.82	1.53	Projection To TD

Checked By: _____ Approved By: _____ Date: _____



Kerr McGee Oil and Gas Onshore LP

Uintah County, UT UTM12

NBU 922-31CT

NBU 922-31CT

OH

Design: OH

Survey Report - Geographic

20 January, 2010



Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 922-31CT
Well: NBU 922-31CT
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 922-31CT
TVD Reference: GL 4882' & RKB 18' @ 4900.00ft (Pioneer 69)
MD Reference: GL 4882' & RKB 18' @ 4900.00ft (Pioneer 69)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Project	Uintah County, UT UTM12		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	NBU 922-31CT, Sec 31 T10S R22E		
Site Position:		Northing:	14,529,187.37 ft
From:	Lat/Long	Easting:	2,064,962.82 ft
Position Uncertainty:	0.00 ft	Slot Radius:	in
		Latitude:	39° 59' 55.380 N
		Longitude:	109° 29' 2.900 W
		Grid Convergence:	0.97 °

Well	NBU 922-31CT, 389' FNL & 1632' FWL		
Well Position	+N-S	0.00 ft	Northing: 14,529,187.37 ft
	+E-W	0.00 ft	Easting: 2,064,962.82 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	39° 59' 55.380 N
		Longitude:	109° 29' 2.900 W
		Ground Level:	4,882.00 ft

Wellbore	OH					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)	
	IGRF2005-10	11/30/2009	11.25	65.92	52,515	

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	14.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	14.00	0.00	0.00	28.56	

Survey Program	Date	1/20/2010			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
162.00	2,232.00	Survey #1 - Surface (OH)	MWD SDI	MWD - Standard ver 1.0.1	
2,302.00	9,335.00	Survey #2 - Production (OH)	MWD SDI	MWD - Standard ver 1.0.1	

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 922-31CT
Well: NBU 922-31CT
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well NBU 922-31CT
 GL 4882' & RKB 18' @ 4900.00ft (Pioneer 69)
 GL 4882' & RKB 18' @ 4900.00ft (Pioneer 69)
 True
 Minimum Curvature
 EDM 2003.16 Multi-User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
14.00	0.00	0.00	14.00	0.00	0.00	14,529,187.37	2,064,962.82	39° 59' 55.380 N	109° 29' 2.900 W
162.00	0.39	155.19	162.00	-0.46	0.21	14,529,186.91	2,064,963.04	39° 59' 55.375 N	109° 29' 2.897 W
252.00	0.11	73.58	252.00	-0.71	0.42	14,529,186.66	2,064,963.25	39° 59' 55.373 N	109° 29' 2.895 W
342.00	0.95	315.56	341.99	-0.15	-0.02	14,529,187.21	2,064,962.81	39° 59' 55.378 N	109° 29' 2.900 W
432.00	2.09	312.42	431.96	1.49	-1.75	14,529,188.82	2,064,961.04	39° 59' 55.395 N	109° 29' 2.922 W
522.00	2.55	315.56	521.89	4.02	-4.36	14,529,191.32	2,064,958.39	39° 59' 55.420 N	109° 29' 2.956 W
612.00	2.69	306.09	611.79	6.70	-7.47	14,529,193.94	2,064,955.23	39° 59' 55.446 N	109° 29' 2.996 W
702.00	3.02	315.83	701.68	9.64	-10.83	14,529,196.82	2,064,951.83	39° 59' 55.475 N	109° 29' 3.039 W
792.00	3.12	316.75	791.55	13.13	-14.16	14,529,200.25	2,064,948.44	39° 59' 55.510 N	109° 29' 3.082 W
882.00	3.66	314.50	881.40	16.92	-17.89	14,529,203.98	2,064,944.65	39° 59' 55.547 N	109° 29' 3.130 W
972.00	3.77	313.98	971.21	20.99	-22.07	14,529,207.98	2,064,940.40	39° 59' 55.587 N	109° 29' 3.184 W
1,062.00	3.77	312.42	1,061.01	25.04	-26.38	14,529,211.96	2,064,936.02	39° 59' 55.628 N	109° 29' 3.239 W
1,152.00	4.11	308.43	1,150.80	29.04	-31.09	14,529,215.88	2,064,931.24	39° 59' 55.667 N	109° 29' 3.300 W
1,242.00	3.70	309.90	1,240.59	32.91	-35.84	14,529,219.66	2,064,926.42	39° 59' 55.705 N	109° 29' 3.361 W
1,332.00	2.91	304.28	1,330.44	36.06	-39.96	14,529,222.74	2,064,922.25	39° 59' 55.736 N	109° 29' 3.414 W
1,422.00	3.00	300.55	1,420.32	38.54	-43.88	14,529,225.16	2,064,918.29	39° 59' 55.761 N	109° 29' 3.464 W
1,512.00	2.36	303.49	1,510.22	40.76	-47.45	14,529,227.32	2,064,914.68	39° 59' 55.783 N	109° 29' 3.510 W
1,602.00	2.32	299.12	1,600.15	42.67	-50.59	14,529,229.17	2,064,911.51	39° 59' 55.802 N	109° 29' 3.550 W
1,692.00	2.36	289.92	1,690.07	44.19	-53.92	14,529,230.63	2,064,908.16	39° 59' 55.817 N	109° 29' 3.593 W
1,812.00	2.08	304.95	1,809.98	46.28	-58.03	14,529,232.65	2,064,904.01	39° 59' 55.837 N	109° 29' 3.646 W
1,902.00	1.29	300.08	1,899.94	47.72	-60.24	14,529,234.06	2,064,901.77	39° 59' 55.852 N	109° 29' 3.674 W
1,992.00	1.04	284.05	1,989.92	48.43	-61.91	14,529,234.73	2,064,900.09	39° 59' 55.859 N	109° 29' 3.696 W
2,082.00	1.18	274.87	2,079.91	48.70	-63.63	14,529,234.98	2,064,898.37	39° 59' 55.861 N	109° 29' 3.718 W
2,172.00	1.43	262.72	2,169.88	48.64	-65.67	14,529,234.88	2,064,896.34	39° 59' 55.861 N	109° 29' 3.744 W
2,232.00	1.31	257.53	2,229.87	48.40	-67.08	14,529,234.62	2,064,894.93	39° 59' 55.858 N	109° 29' 3.762 W
2,302.00	1.32	244.68	2,299.85	47.88	-68.59	14,529,234.07	2,064,893.43	39° 59' 55.853 N	109° 29' 3.781 W
2,392.00	1.41	228.24	2,389.82	46.70	-70.35	14,529,232.86	2,064,891.68	39° 59' 55.842 N	109° 29' 3.804 W
2,494.00	1.41	213.56	2,491.79	44.82	-71.98	14,529,230.95	2,064,890.09	39° 59' 55.823 N	109° 29' 3.825 W
2,583.00	1.58	204.51	2,580.76	42.79	-73.10	14,529,228.91	2,064,889.01	39° 59' 55.803 N	109° 29' 3.839 W
2,678.00	1.76	194.58	2,675.72	40.19	-74.01	14,529,226.29	2,064,888.14	39° 59' 55.777 N	109° 29' 3.851 W
2,777.00	1.93	196.43	2,774.67	37.12	-74.86	14,529,223.20	2,064,887.34	39° 59' 55.747 N	109° 29' 3.862 W
2,873.00	0.88	89.55	2,870.65	35.57	-74.58	14,529,221.66	2,064,887.65	39° 59' 55.732 N	109° 29' 3.858 W
2,968.00	2.02	47.89	2,965.62	36.70	-72.61	14,529,222.83	2,064,889.60	39° 59' 55.743 N	109° 29' 3.833 W
3,057.00	1.76	49.03	3,054.57	38.65	-70.41	14,529,224.81	2,064,891.76	39° 59' 55.762 N	109° 29' 3.805 W
3,158.00	1.67	57.91	3,155.53	40.45	-67.99	14,529,226.65	2,064,894.15	39° 59' 55.780 N	109° 29' 3.774 W
3,248.00	1.14	63.71	3,245.50	41.54	-66.08	14,529,227.78	2,064,896.04	39° 59' 55.791 N	109° 29' 3.749 W
3,346.00	0.70	84.45	3,343.49	42.03	-64.61	14,529,228.29	2,064,897.50	39° 59' 55.795 N	109° 29' 3.730 W
3,434.00	0.26	134.29	3,431.49	41.94	-63.93	14,529,228.21	2,064,898.18	39° 59' 55.795 N	109° 29' 3.722 W
3,538.00	0.88	25.39	3,535.48	42.50	-63.42	14,529,228.78	2,064,898.68	39° 59' 55.800 N	109° 29' 3.715 W
3,626.00	1.58	20.82	3,623.46	44.24	-62.70	14,529,230.54	2,064,899.38	39° 59' 55.817 N	109° 29' 3.706 W
3,723.00	0.97	20.47	3,720.44	46.26	-61.94	14,529,232.57	2,064,900.10	39° 59' 55.837 N	109° 29' 3.696 W
3,817.00	0.44	25.74	3,814.43	47.33	-61.50	14,529,233.65	2,064,900.52	39° 59' 55.848 N	109° 29' 3.690 W
3,916.00	0.09	155.47	3,913.43	47.60	-61.31	14,529,233.92	2,064,900.71	39° 59' 55.851 N	109° 29' 3.688 W
4,005.00	0.62	181.31	4,002.43	47.06	-61.29	14,529,233.38	2,064,900.74	39° 59' 55.845 N	109° 29' 3.688 W
4,106.00	0.53	49.82	4,103.42	46.81	-60.94	14,529,233.14	2,064,901.09	39° 59' 55.843 N	109° 29' 3.683 W
4,201.00	0.44	82.43	4,198.42	47.15	-60.25	14,529,233.48	2,064,901.78	39° 59' 55.846 N	109° 29' 3.674 W
4,292.00	0.44	118.82	4,289.42	47.02	-59.59	14,529,233.37	2,064,902.43	39° 59' 55.845 N	109° 29' 3.666 W
4,385.00	0.53	158.98	4,382.41	46.45	-59.13	14,529,232.80	2,064,902.91	39° 59' 55.839 N	109° 29' 3.660 W
4,490.00	0.88	165.58	4,487.41	45.21	-58.75	14,529,231.58	2,064,903.31	39° 59' 55.827 N	109° 29' 3.655 W
4,581.00	1.06	163.55	4,578.39	43.73	-58.34	14,529,230.10	2,064,903.74	39° 59' 55.812 N	109° 29' 3.650 W
4,671.00	0.35	262.26	4,668.39	42.90	-58.38	14,529,229.26	2,064,903.72	39° 59' 55.804 N	109° 29' 3.650 W
4,765.00	0.44	225.52	4,762.39	42.60	-58.92	14,529,228.96	2,064,903.19	39° 59' 55.801 N	109° 29' 3.657 W
4,958.00	0.97	206.53	4,955.37	40.62	-60.18	14,529,226.96	2,064,901.96	39° 59' 55.782 N	109° 29' 3.673 W
5,046.00	0.26	65.56	5,043.37	40.04	-60.33	14,529,226.37	2,064,901.82	39° 59' 55.776 N	109° 29' 3.675 W
5,239.00	1.67	68.81	5,236.33	41.24	-57.31	14,529,227.62	2,064,904.82	39° 59' 55.788 N	109° 29' 3.636 W

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 922-31CT
Well: NBU 922-31CT
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 922-31CT
TVD Reference: GL 4882' & RKB 18' @ 4900.00ft (Pioneer 69)
MD Reference: GL 4882' & RKB 18' @ 4900.00ft (Pioneer 69)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
5,426.00	1.32	85.68	5,423.27	42.38	-52.62	14,529,228.85	2,064,909.49	39° 59' 55.799 N	109° 29' 3.576 W
5,616.00	1.32	97.02	5,613.22	42.28	-48.26	14,529,228.82	2,064,913.84	39° 59' 55.798 N	109° 29' 3.520 W
5,806.00	1.41	113.28	5,803.17	41.09	-43.94	14,529,227.70	2,064,918.18	39° 59' 55.786 N	109° 29' 3.465 W
5,998.00	1.49	121.45	5,995.11	38.85	-39.64	14,529,225.54	2,064,922.52	39° 59' 55.764 N	109° 29' 3.409 W
6,182.00	1.76	130.33	6,179.03	35.78	-35.45	14,529,222.54	2,064,926.77	39° 59' 55.734 N	109° 29' 3.356 W
6,381.00	1.85	138.77	6,377.93	31.38	-31.00	14,529,218.22	2,064,931.29	39° 59' 55.690 N	109° 29' 3.298 W
6,470.00	0.70	163.47	6,466.91	29.78	-29.90	14,529,216.64	2,064,932.42	39° 59' 55.674 N	109° 29' 3.284 W
6,566.00	0.26	329.40	6,562.91	29.41	-29.85	14,529,216.26	2,064,932.48	39° 59' 55.671 N	109° 29' 3.284 W
6,660.00	0.35	313.50	6,656.91	29.79	-30.16	14,529,216.64	2,064,932.15	39° 59' 55.674 N	109° 29' 3.288 W
6,756.00	1.06	349.18	6,752.90	30.86	-30.54	14,529,217.71	2,064,931.76	39° 59' 55.685 N	109° 29' 3.293 W
6,946.00	0.88	6.76	6,942.87	34.04	-30.70	14,529,220.88	2,064,931.54	39° 59' 55.716 N	109° 29' 3.295 W
7,137.00	0.44	36.46	7,133.86	36.08	-30.09	14,529,222.93	2,064,932.12	39° 59' 55.737 N	109° 29' 3.287 W
7,314.00	0.44	123.83	7,310.86	36.25	-29.12	14,529,223.12	2,064,933.08	39° 59' 55.738 N	109° 29' 3.274 W
7,514.00	0.70	106.43	7,510.85	35.48	-27.31	14,529,222.38	2,064,934.91	39° 59' 55.731 N	109° 29' 3.251 W
7,702.00	1.14	149.58	7,698.83	33.54	-25.26	14,529,220.47	2,064,936.99	39° 59' 55.712 N	109° 29' 3.225 W
7,896.00	1.41	153.71	7,892.78	29.74	-23.23	14,529,216.71	2,064,939.09	39° 59' 55.674 N	109° 29' 3.199 W
8,056.00	0.88	134.81	8,052.75	27.11	-21.49	14,529,214.10	2,064,940.87	39° 59' 55.648 N	109° 29' 3.176 W
8,146.00	1.06	130.51	8,142.73	26.08	-20.36	14,529,213.10	2,064,942.02	39° 59' 55.638 N	109° 29' 3.162 W
8,341.00	1.06	150.90	8,337.70	23.33	-18.12	14,529,210.39	2,064,944.31	39° 59' 55.611 N	109° 29' 3.133 W
8,525.00	1.67	144.57	8,521.65	19.66	-15.73	14,529,206.76	2,064,946.75	39° 59' 55.574 N	109° 29' 3.102 W
8,717.00	2.81	131.83	8,713.50	14.24	-10.60	14,529,201.43	2,064,951.97	39° 59' 55.521 N	109° 29' 3.036 W
8,906.00	1.58	139.82	8,902.36	9.16	-5.47	14,529,196.43	2,064,957.19	39° 59' 55.471 N	109° 29' 2.970 W
9,102.00	1.85	122.86	9,098.27	5.38	-1.07	14,529,192.73	2,064,961.66	39° 59' 55.433 N	109° 29' 2.914 W
9,269.00	0.44	162.76	9,265.23	3.30	1.38	14,529,190.69	2,064,964.15	39° 59' 55.413 N	109° 29' 2.882 W
9,335.00	0.44	162.76	9,331.23	2.82	1.53	14,529,190.21	2,064,964.31	39° 59' 55.408 N	109° 29' 2.880 W

Targets
Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
NBU 922-31CT Rectang	0.00	0.00	9,356.00	-25.00	25.00	14,529,162.80	2,064,988.24	39° 59' 55.133 N	109° 29' 2.579 W
- actual wellpath misses target center by 44.02ft at 9335.00ft MD (9331.23 TVD, 2.82 N, 1.53 E)									
- Rectangle (sides W75.00 H95.00 D0.00)									
NBU 922-31CT PBHL	0.00	0.00	9,356.00	0.00	0.00	14,529,187.37	2,064,962.82	39° 59' 55.380 N	109° 29' 2.900 W
- actual wellpath misses target center by 24.98ft at 9335.00ft MD (9331.23 TVD, 2.82 N, 1.53 E)									
- Circle (radius 25.00)									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
162.00	162.00	-0.46	0.21	First SDI Surface MWD Survey
2,232.00	2,229.87	48.40	-67.08	Last SDI Surface MWD Survey
2,302.00	2,299.85	47.88	-68.59	First SDI Production MWD Survey
9,269.00	9,265.23	3.30	1.38	Last SDI Production MWD Survey
9,335.00	9,331.23	2.82	1.53	Projection To TD

Checked By: _____ Approved By: _____ Date: _____



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Rocky Mountain Operations

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US ROCKIES REGION

Operation Summary Report

Well: NBU 922-31CT			Spud Conductor: 10/27/2009				Spud Date: 11/30/2009	
Project: UTAH-UINTAH			Site: NBU 354 PAD				Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING			Start Date: 10/22/2009				End Date: 1/3/2010	
Active Datum: RKB @4,900.00ft (above Mean Sea Leve			UWI: NE/NW/0/9/S/22/E/31/0/0/26/PM/N/389.00/W/0/1,632.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
11/30/2009	7:00 - 9:00	2.00	MIRU	01	A	P		MOVE RIG FROM TOWN TO LOCTION
	9:00 - 13:30	4.50	MIRU	01	B	P		RIG UP HSM
	13:30 - 15:30	2.00	DRLSUR	02	A	P		SPUD W/ AIR HAMMER DRILL F/ 40 TO 180
	15:30 - 18:30	3.00	DRLSUR	06	A	P		TOH W/ AIR HAMMER TOOLS P/U MWD TOOLS
	18:30 - 0:00	5.50	DRLSUR	02	D	P		DRILL F/ 180 TO 720' WT 18 -20K RPM 40 MM RPM 104, PUMP 1500 ON BOTTOM OFF 1250 PSI
12/1/2009	0:00 - 17:30	17.50	DRLSUR	02	D	P		DRLG, SURVEY F/ 720 TO 2280 WT 18-20 K RPM 40 MM RPM 104 PUMP PSI 1550 ON BOTTOM OFF 1300 PSI 1560 89.1 ROP
	17:30 - 18:30	1.00	DRLSUR	05	A	P		CIRC PUMP SWEEP AROUND
	18:30 - 22:30	4.00	DRLSUR	06	A	P		TOH TO LAY DOWN MWD TOOLS
	22:30 - 0:00	1.50	DRLSUR	12	A	P		RIG UP HSM RUN 51 JTS 9 5/8 J-55 # 36 LT&C SHOE @ 2251 BAF 2207
12/2/2009	0:00 - 2:30	2.50	DRLSUR	12	C	P		RUN 51 JTS 9 5/8 CSG, SHOE @ 2251' BAFF 2207'
	2:30 - 10:00	7.50	DRLSUR	12	E	P		RIGED UP HSM LEAD CMT 210 SX 11.0 YD 3.82 TAIL 200 SX 15.8 YD 1.15 2% CAL, .25 LBSX FLOW SEALBUMP PLUG FLOATS HELD DID 3 TOP JOB 325 SX 15.8 4% CAL .25 LBSSX FLOW SEAL
12/25/2009	20:00 - 0:00	4.00	DRLPRO	01	E	P		RDRT
12/26/2009	0:00 - 8:00	8.00	DRLPRO	01	E	P		RDRT, WINTERIZE RIG
	8:00 - 17:30	9.50	DRLPRO	01	A	P		MOVE RIG 6.5 MILES TO NBU 922-31CT, 3-BED, 6 HAUL TRUCKS, 2 FORKLIFTS, 1 CRANE, 1 GRADER TO HELP HEAVEY LOADS UP STEEP HILLS, 1 EXTRA RIG HAND
12/27/2009	17:30 - 18:00	0.50	DRLPRO	01	B	P		RURT, 100% MOVED, 40% R/U
	18:00 - 0:00	6.00	DRLPRO	21	C	P		WAIT ON DAYLIGHT
	0:00 - 6:00	6.00	DRLPRO	21	C	P		WAIT ON DAYLIGHT
	6:00 - 10:00	4.00	DRLPRO	01	A	P		FINISH SETTING IN RIG, TRUCKS LEFT @ 09:00, CRANE LEFT @ 10:00, RURT
	10:00 - 22:00	12.00	DRLPRO	01	B	P		RURT, RISE FLOOR & DERRICK
12/28/2009	22:00 - 0:00	2.00	DRLPRO	14	A	P		N/U BOPE
	0:00 - 2:00	2.00	DRLPRO	14	A	P		N/U BOPE
	2:00 - 9:00	7.00	DRLPRO	15	A	P		TEST BOP, RAMS & ALL VALVES 250 LOW-5000HIGH, ANN 2500, CASING1500 F/ 30 MIN HPJSM W/ RIG & P/U CREWS, R/U & P/U BIT,MM,DIR TOOLS & SCRIBE, BHA & 50 JTS D/P TO 2119'
	9:00 - 14:00	5.00	DRLPRO	06	A	P		CUT & SLIP DRLG LINE
	14:00 - 15:30	1.50	DRLPRO	09	A	P		INSTALL ROT RUBBER , KELLY DRIVE BUSHINGS, PRE- SPUD INSECTION, DRLG CEMENT, F/E & OPEN HOLE TO 2294, SPUD WELL @ 19:00 12/28/09
	15:30 - 19:00	3.50	DRLPRO	02	F	P		DRLG,SLIDE SURVEY F/ 2294 TO 2940', WOB 18-20, RPM 50, MM 98, SPM 125, GPM 473, PU/SO/ROT 100-97-95, ON/OFF 1350-1100, DIFF 150-300, CIRC RESERVE PIT W/ GEL & POLY SWEEPS, SLIDES 2845-2860, 2940-2950
	19:00 - 0:00	5.00	DRLPRO	02	B	P		DRLG,SLIDE,SURVEY F/ 2940 TO 4740', 1800' @ 120' PH, CIRC RESERVE PIT W/ GEL & POLY SWEEPS
								SERVICE RIG
12/29/2009	0:00 - 15:00	15.00	DRLPRO	02	B	P		
	15:00 - 15:30	0.50	DRLPRO	07	A	P		

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-31CT			Spud Conductor: 10/27/2009			Spud Date: 11/30/2009			
Project: UTAH-UINTAH			Site: NBU 354 PAD				Rig Name No: PIONEER 69/69, PROPETRO/		
Event: DRILLING			Start Date: 10/22/2009				End Date: 1/3/2010		
Active Datum: RKB @4,900.00ft (above Mean Sea Level)			UWI: NE/NW/0/9/S/22/E/31/0/0/26/PM/N/389.00/W/0/1,632.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation	
	15:30 - 0:00	8.50	DRLPRO	02	B	P		DRLG,SLIDE,SURVEY F/ 4740 TO 5847', 1107' @ 130.2' PH CIRC RESERVE PIT W/ GEL & POLY SWEEPS, WOB 18, RPM 50, MM 98, SPM 125, GPM 473, PU/SO/ROT 155-141-137, ON/OFF 1630-1270, DIFF 150-400, SLIDES 5025-5035, 5120-5130	
12/30/2009	0:00 - 8:30	8.50	DRLPRO	02	B	P		DRLG,SLIDE,SURVEY F/ 5847 TO 6546'. SLIDE F/6447 TO 6459,	
	8:30 - 9:00	0.50	DRLPRO	07	A	P		SERVICE RIG	
	9:00 - 21:00	12.00	DRLPRO	02	B	P		DRLG,SLIDE,SURVEY F/ 6546 TO 7388', 842' @ 70.2' PH SLIDES 6546-6556	
	21:00 - 21:30	0.50	DRLPRO	08	B	P		REPLACE VALVES #2 PUMP	
	21:30 - 0:00	2.50	DRLPRO	02	B	P		DRLG F/ 7388 TO 7595', 207' @ 82.8' PH, WOB 18, RPM 50, MM 98, SPM 125, GPM 473, PU/SO/ROT 184-150-164, ON/OFF 2100-1800, DIFF 150-300, SLIDES 7394-7404	
12/31/2009	0:00 - 12:30	12.50	DRLPRO	02	B	P		DRLG F/ 7595 TO 8342' ,747' @ 59.8' PH	
	12:30 - 13:00	0.50	DRLPRO	07	A	P		SERVICE RIG	
	13:00 - 14:00	1.00	DRLPRO	08	B	Z		REPAIR PUMP & 4" VALVE	
	14:00 - 0:00	10.00	DRLPRO	02	B	P		DRLG,SLIDE SURVEY F/ 8342 TO 8816', 474' @ 47.4' PH, WOB 20, MW 11.2, VIS 40, SPM 125, GPM 473, PU/SO/ROT 200-155-173, ON/OFF 2500-2250, DIFF 150-250, SLIDES 8525-8535, 8783-8793, 8812-8822	
1/1/2010	0:00 - 1:00	1.00	DRLPRO	02	B	P		DRLG F/ 8816 TO 8824', 8' @ 8' PH	
	1:00 - 2:00	1.00	DRLPRO	08	B	P		REPLACE DRIVE LINE BOLTS TO ROT	
	2:00 - 14:30	12.50	DRLPRO	02	B	P		DRLG F/ 8824 TO 9335', 511' @ 40.1' PH, MW 11.7, VIS 45, TD @ 14:30 1/1/10	
	14:30 - 15:00	0.50	DRLPRO	07	A	P		SERVICE RIG	
	15:00 - 18:00	3.00	DRLPRO	05	C	P		CIRC & COND WELL BORE	
	18:00 - 23:00	5.00	DRLPRO	06	E	P		SHORT TRIP TO SHOE 112 STDs	
	23:00 - 0:00	1.00	DRLPRO	05	C	P		CIRC & COND WELL BORE F/LDDS	
1/2/2010	0:00 - 1:30	1.50	DRLPRO	05	C	P		CIRC & COND HOLE F/ LOGS	
	1:30 - 10:30	9.00	DRLPRO	06	B	P		HPJSM W/ RIG & L/D CREWS, R/U & LDDS, BREAK KELLY, L/D BHA & DIR TOOLS, PULL WEAR BUSHING, R/D	
	10:30 - 11:00	0.50	DRLPRO	07	A	P		SERVICE RIG	
	11:00 - 16:30	5.50	DRLPRO	11	C	P		HPJSM W/ RIG & LOGGING CREWS, R/U & RUN TRIPLE COMBO F/ 9363 TO SURFACE	
	16:30 - 22:00	5.50	DRLPRO	12	C	P		HPJSM W/ RIG & CASING CREWS, R/U & RUN 220 JTS I-80 BTC PROD CASING	
	22:00 - 0:00	2.00	DRLPRO	05	D	P		CIRC OUT GAS TO CEMENT	
1/3/2010	0:00 - 2:00	2.00	DRLPRO	05	D	P		CIRC OUT GAS	
	2:00 - 7:00	5.00	DRLPRO	12	E	P		HPJSM W/ RIG & CEMENTING CREWS, R/U & TEST LINES TO 5000 PSI, PUMP 40 BBLS WATER SPACER, LEAD 475 SKS 11.7 PPG 2.49 YLD, TAIL 1276 SKS 14.3 PPG 1.31 YLD, DROP PLUG & DISPLACE W/ 145 BBLS CLAYTREAT WATER, BUMP PLUG W/ 3200 PSI, FINAL LIFT PSI OF 2300, FULL RETURNS THOUGH OUT JOB, 15 BBLS CEMENT TO PITS, 1 BACK TO TRUCK, FLUSH OUT STACK & LAND CASING W/ 65K,, R/D	
	7:00 - 12:00	5.00	DRLPRO	01	E	P		N/D & CLEAN PITS, WINTERIZE RIG, RELEASE RIG TO NBU 922-32P3CS @ 12:00 1/3/10	

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-31CT		Spud Conductor: 10/27/2009	Spud Date: 11/30/2009
Project: UTAH-UINTAH		Site: NBU 354 PAD	Rig Name No: GWS 1/1
Event: COMPLETION		Start Date: 1/21/2010	End Date:
Active Datum: RKB @4,900.00ft (above Mean Sea Level)		UWI: NE/NW/0/9/S/22/E/31/0/0/26/PM/N/389.00/W/0/1,632.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/21/2010	7:00 - 7:30	0.50	COMP	48		P		HSM. PICKING UP TBG OFF TRAILER
	7:30 - 17:00	9.50	COMP	31	I	P		RU RIG & SPOT IN EQUIPMENT. ND WH NU BOP. PU 3 7/8" MILL & SUB. DRIFT & TALLY 226 JTS OF 2 3/8" J-55 4.7# TBG. EOT @ 7,016'. POOH W / 113 STANDS OF 2 3/8" TBG. ND BOP NU FRAC VALVES. WINTERIZE WELL HEAD. SWI SDFN
1/22/2010	7:00 - 7:30	0.50	COMP	48		P		HSM. PRESSURE TESTING & PERFORATING
	7:30 - 15:00	7.50	COMP	37	C	P		MIRU B&C QUICK TEST TO PRESSURE TEST. PRESSURE TEST CASING & BOTH FRAC VALVES TO 7,000 PSI. GOOD TEST. RDMO B&C QUICK TEST. MIRU SCHLUMBERGER TO PERFORATE. PU 3 1/8 EXP GNS, 23 GRM, .36 HOLES, 90 DEG. PHASING. RIH PERF 9,257'-59' 4SPF, 9,206'-12' 4SPF, 9,171'-73' 4SPF, 40 HOLES. RDMO SCHLUMBERGER. WINTERIZE WELL HEAD. PREPPED TO FRAC ON MONDAY. SWI SDFWE.
1/25/2010	6:30 - 7:00	0.50	COMP	48		P		HSM. FRACING & PERFORATING
	7:00 - 7:40	0.67	COMP	36	B	P		MIRU FRAC TECH & SCHLUMBERGER. PRIME UP & PRESSURE TEST SURFACE EQUIPMENT TO 8,000 PSI. HAVING PROBLEMS W / SCALE INHIBITOR PUMP.
	7:40 - 8:10	0.50	COMP	36	B	P		STG 1) WHP 1,728 PSI, BRK 4,346 PSI, @ 6.2 BPM, ISIP 2,523 PSI, FG .71. PUMP 100 BBLS @ 51 BPM @ 4,700 PSI = 83% OPEN. MP 6,575 PSI, MR 52 BPM, AP 4,866 PSI, AR 51 BPM, ISIP 3,033 PSI, FG .76, NPI 510 PSI. PMP 888 BBLS OF SW & 17,505 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 22,505 LBS.
	8:10 - 11:05	2.92	COMP	36	B	P		STG 2) PU 4 1/2" BAKER CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET CBP @ 8,976' & PERF 8,944'-46' 4SPF, 8,857'-60' 4SPF, 8,784'-86' 4SPF, 8,748'-50' 4SPF, 8,737'-38' SPF, 40 HOLES WHP 1,580 PSI, BRK 3,880 PSI, @ 8.0 BPM, ISIP 2,523 PSI, FG .72. PUMP 100 BBLS @ 51.3 BPM @ 4,630 PSI = 85% OPEN. MP 6,301 PSI, MR 52 BPM, AP 4,480 PSI, AR 51.6 BPM, ISIP 2,820 PSI, FG .75, NPI 293 PSI. PMP 1,894 BBLS OF SW & 67,587 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 72,587 LBS.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-31CT

Spud Conductor: 10/27/2009

Spud Date: 11/30/2009

Project: UTAH-UINTAH

Site: NBU 354 PAD

Rig Name No: GWS 1/1

Event: COMPLETION

Start Date: 1/21/2010

End Date:

Active Datum: RKB @4,900.00ft (above Mean Sea Level)

UWI: NE/NW/0/9/S/22/E/31/0/0/26/PM/N/389.00W/0/1,632.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	11:05 - 12:55	1.83	COMP	36	B	P		STG 3) PU 4 1/2" BAKER CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET CBP @ 8,665' & PERF 8,628'-30' 4SPF, 8,557'-58' 4SPF, 8,502'-05' 4SPF, 8,444'-46' 4SPF, 8,387'-88' 4SPF, 36 HOLES WHP 1,741 PSI, BRK 3,118 PSI, @ 7.0 BPM, ISIP 2,318 PSI, FG .71. PUMP 100 BBLS @ 51.1 BPM @ 4,880 PSI = 75% OPEN. MP 6,421 PSI, MR 53.1 BPM, AP 4,344 PSI, AR 51.7 BPM, ISIP 2,779 PSI, FG .76, NPI 461 PSI. PMP 1,545 BBLS OF SW & 57,707 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 62,707 LBS.
	12:55 - 14:30	1.58	COMP	36	B	P		STG 4) PU 4 1/2" BAKER CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET CBP @ 8,268' & PERF 8,234'-38' 4SPF, 8,183'-85' 4SPF, 8,109'-11' 4SPF, 8,046'-48' 4SPF, 40 HOLES WHP 0 PSI, BRK 4,352 PSI, @ 5.8 BPM, ISIP 2,181 PSI, FG .70. PUMP 100 BBLS @ 51.7 BPM @ 4,304 PSI = 82% OPEN. MP 6,313 PSI, MR 52.5 BPM, AP 4,250 PSI, AR 51.9 BPM, ISIP 2,459 PSI, FG .74, NPI 278 PSI. PMP 987 BBLS OF SW & 31,974 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 36,974 LBS.
	14:30 - 16:00	1.50	COMP	36	B	P		STG 5) PU 4 1/2" BAKER CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET CBP @ 7,929' & PERF 7,897'-99' 4SPF, 7,812'-14' 4SPF, 7,762'-63' 4SPF, 7,740'-42' 4SPF, 7,689'-90' 4SPF, 7,659'-60' 4SPF, 36 HOLES WHP 1,180 PSI, BRK 2,009 PSI, @ 7.5 BPM, ISIP 2,481 PSI, FG .75. PUMP 100 BBLS @ 51.2 BPM @ 4,960 PSI = 61% OPEN. MP 6,375 PSI, MR 52.5 BPM, AP 4,250 PSI, AR 51.8 BPM, ISIP 2,481 PSI, FG .75, NPI 747 PSI. PMP 986 BBLS OF SW & 33,417 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 38,417 LBS.
	16:00 - 17:30	1.50	COMP	37	B	P		STG 6) PU 4 1/2" BAKER CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET CBP @ 7,587' & PERF 7,554'-57' 4SPF, 7,466'-68' 4SPF, 7,419'-22' 4SPF, 7,398'-7,400' 4SPF, 40 HOLES
1/26/2010	6:30 - 7:00	0.50	COMP	48		P		HSM. FRACING & PERFORATING
	7:00 - 8:05	1.08	COMP	46	E	Z		WORKING ON BLENDER. WILL NOT START.
	8:05 - 8:30	0.42	COMP	36	B	P		STG 6) WHP 1,230 PSI, BRK 3,267 PSI, @ 3.1 BPM, ISIP 1,527 PSI, FG .64. PUMP 100 BBLS @ 51 BPM @ 4,800 PSI = 60% OPEN. MP 6,528 PSI, MR 53 BPM, AP 4,059 PSI, AR 51.9 BPM, ISIP 2,119 PSI, FG .72, NPI 592 PSI. PMP 939 BBLS OF SW & 32,950 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 37,950 LBS.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-31CT	Spud Conductor: 10/27/2009	Spud Date: 11/30/2009
Project: UTAH-UINTAH	Site: NBU 354 PAD	Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 1/21/2010	End Date:
Active Datum: RKB @4,900.00ft (above Mean Sea Level)	UWI: NE/NW/0/9/S/22/E/31/0/0/26/PM/N/389.00/W/0/1,632.00/0/0	

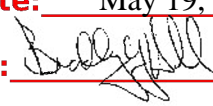
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	8:30 - 10:25	1.92	COMP	36	B	P		STG 7) PU 4 1/2" BAKER CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET CBP @ 7,333' & PERF 7,300'-03' 4SPF, 7,287'-88' 4SPF, 7,234'-38' 4SPF, 7,182'-84' 4SPF, 40 HOLES WHP 626 PSI, BRK 3,000 PSI, @ 7.2 BPM, ISIP 2,067 PSI, FG .72. PUMP 100 BBLS @ 51.5 BPM @ 4,180 PSI = 75% OPEN. MP 6,283 PSI, MR 54 BPM, AP 3,940 PSI, AR 51.8 BPM, ISIP 2,460 PSI, FG .77, NPI 393 PSI. PMP 1,501 BBLS OF SW & 54,068 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 59,068 LBS.
	10:25 - 11:55	1.50	COMP	36	B	P		STG 8) PU 4 1/2" BAKER CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET CBP @ 7,153' & PERF 7,118'-28' 4SPF, 40 HOLES WHP 680 PSI, BRK 2,658 PSI, @ 7.0 BPM, ISIP 1,221 PSI, FG .60. PUMP 100 BBLS @ 52.7 BPM @ 3,590 PSI = 70% OPEN. MP 6,146 PSI, MR 54.8 BPM, AP 3,550 PSI, AR 52.4 BPM, ISIP 2,299 PSI, FG .76, NPI 1,078 PSI. PMP 1,293 BBLS OF SW & 52,012 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 57,012 LBS.
	11:55 - 13:00	1.08	COMP	34	I	P		KILL PLG) PU 4 1/2" BAKER CBP & RIH SET @ 7,068'
	13:00 - 17:00	4.00	COMP	31	I	P		RDMO FRAC TECH & SCHLUMBERGER. ND FRAC VALVES NU BOP. PU 3 7/8" BIT & POBS & RIH W / 226 JTS OF 2 3/8" J-55 TBG.EOT @ 7,016'. RU POWER SWIVEL. WINTERIZE WELL HEAD. SWI SDFN
1/27/2010	7:00 - 7:30	0.50	COMP	48		P		HSM. DRILLING CBP'S UNDER PRESSURE

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-31CT	Spud Conductor: 10/27/2009	Spud Date: 11/30/2009
Project: UTAH-UINTAH	Site: NBU 354 PAD	Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 1/21/2010	End Date:
Active Datum: RKB @4,900.00ft (above Mean Sea Level)	UWI: NE/NW/0/9/S/22/E/31/0/0/26/PM/N/389.00/W/0/1,632.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 18:00	10.50	COMP	44	C	P		WHP 0 PSI. BRK CIRCULATION W / TMAC WATER. RIH C/O 20' OF SAND TAG PLG 1 @ 7,068' DRL IN 9 MIN. 50 PSI INCREASE. RIH. C/O 30' OF SAND TAG PLG 2 @ 7,158' DRL IN 10 MIN. 500 PSI INCREASE. RIH. C/O 30' OF SAND TAG PLG 3 @ 7,333' DRL IN 6 MIN. 500 PSI INCREASE. RIH. C/O 60' OF SAND TAG PLG 4 @ 7,068' DRL IN 8 MIN. 750 PSI INCREASE. RIH. C/O 30' OF SAND TAG PLG 5 @ 7,929' DRL IN 30 MIN. 800 PSI INCREASE. RIH. C/O 30' OF SAND TAG PLG 6 @ 8,268' DRL IN 7 MIN. 300 PSI INCREASE. RIH. C/O 30' OF SAND TAG PLG 7 @ 8,665' DRL IN 7 MIN. 500 PSI INCREASE. RIH. C/O 30' OF SAND TAG PLG 8 @ 8,976' DRL IN 8 MIN. 400 PSI INCREASE. RIH. C/O TO 9,285' PBTD. CIRC WELL CLEAN. POOH LD 19 JTS OF 2 3/8" TBG. LAND 2 3/8" J-55 4.7# TBG W / 281 JTS. EOT @ 8,713.51'. ND BOP NU WELL HEAD. DROP BALL TO SHEAR OFF BIT. PUMP OFF BIT @ 2,450 PSI TURN WELL OVER TO FLOW TESTERS.
1/28/2010	7:00 -			33	A			306 JTS OUT BOUND 281 JTS LANDED 25 JTS RETURNED 7 AM FLBK REPORT: CP 2550#, TP 2325#, 20/64" CK, 58 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 5034 BBLS LEFT TO RECOVER: 4999
1/29/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 3150#, TP 2300#, 20/64" CK, 38 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 3032 BBLS LEFT TO RECOVER: 4001
	10:00 -		PROD	50				WELL TURNED TO SALES @ 1130 HR 1/29/2010 - 2000 MCFD, 1032 BWPD, CP 3150#, FTP 2300#, CK 20/64"
1/30/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 3000#, TP 2225#, 20/64" CK, 35 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 6837 BBLS LEFT TO RECOVER: 3196
1/31/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2800#, TP 2125#, 20/64" CK, 30 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 7590 BBLS LEFT TO RECOVER: 2443
2/1/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2650#, TP 2000#, 20/64" CK, 25 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 8208 BBLS LEFT TO RECOVER: 1825
	7:30 -		PROD	50				WELL IP'D ON 2/1/10 - 2721 MCFD, 200 BOPD, 400 BWPD, CP 2685#, FTP 2040#, CK 20/64", LP 142#, 24 HRS

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0464			
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES			
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 922-31CT			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0389 FNL 1592 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 31 Township: 09.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047502260000			
PHONE NUMBER: 720 929-6587 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES			
COUNTY: UINTAH		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/21/2009 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____ </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____
<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests to change the surface location of this well. The surface location is changing FROM: 389' FNL 1592' FWL TO: 389' FNL 1632' FWL. All other information as originally submitted remains the same. No additional surface disturbance from that amount approved in the original APD is anticipated. If you have any questions, please contact the undersigned. Thank you.					
NAME (PLEASE PRINT) Danielle Piernot		PHONE NUMBER 720 929-6156			
SIGNATURE N/A		TITLE Regulatory Analyst			
DATE 5/18/2009		APPROVED BY THE UTAH DIVISION OF OIL, GAS AND MINING Date: May 19, 2009 By: 			

RECEIVED May 18, 2009

Kerr-McGee Oil & Gas Onshore LP

NBU #922-31CT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 31, T9S, R22E, S.L.B.&M.



PHOTO: VIEW FROM PIT CORNER "D" TO LOCATION STAKE

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: EASTERLY



- Since 1964 -

UELS

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

06
MONTH

13
DAY

08
YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: S.L.

REV: Z.L. 03-11-09

Kerr-McGee Oil & Gas Onshore LP

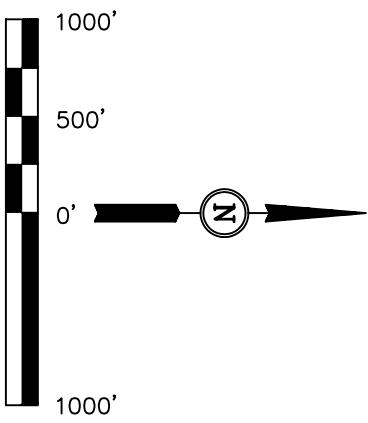
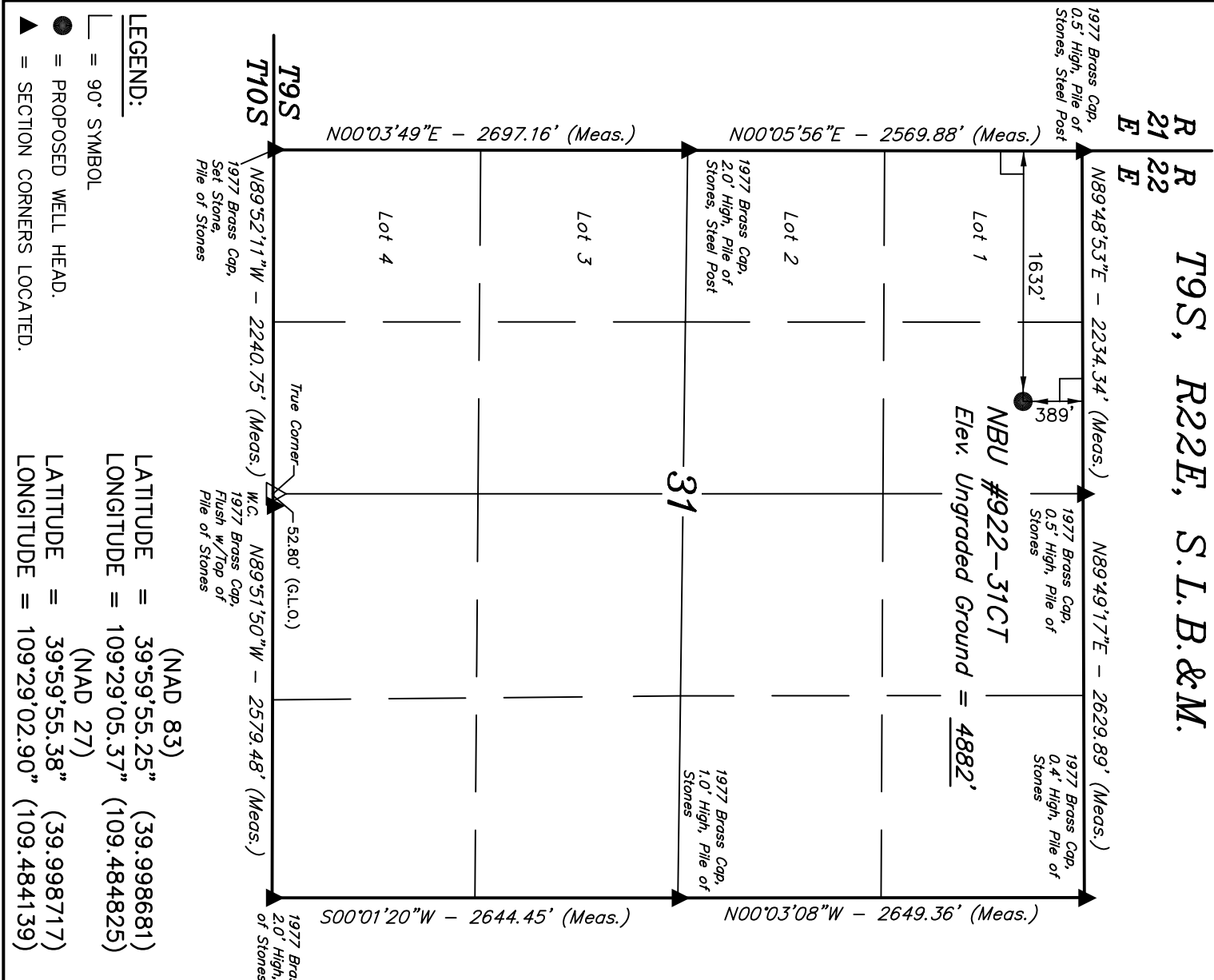
Well location, NBU #922-31CT, located as shown in the NW 1/4 NE 1/4 of Section 31, T9S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ROBERT L. KAY
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REV: 03-11-09 K.E.

UINTAH ENGINEERING & LAND SURVEYING
865 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE	1" = 1000'	DATE SURVEYED:	05-27-08	DATE DRAWN:	06-06-08
PARTY	J.R. R.P. S.L.	REFERENCES	G.L.O. PLAT		
WEATHER	WARM	FILE	Kerr-McGee Oil & Gas Onshore LP		

LEGEND:

- └ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 39°59'55.25" (39.998681)
LONGITUDE = 109°29'05.37" (109.484825)

(NAD 27)
LATITUDE = 39°59'55.38" (39.998717)
LONGITUDE = 109°29'02.90" (109.484139)

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR

NBU #922-31CT

SECTION 31, T9S, R22E, S.L.B.&M.

389' FNL 1632' FWL

NBU #354

(NAD 83)

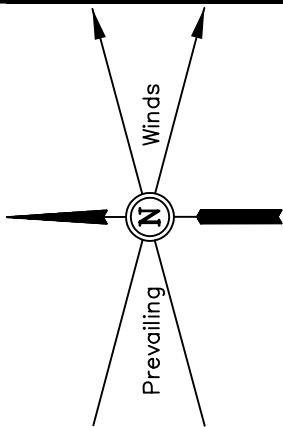
LATITUDE = 39°59'55.30" (39.998694)

LONGITUDE = 109°29'05.63" (109.484897)

(NAD 27)

LATITUDE = 39°59'55.43" (39.998731)

LONGITUDE = 109°29'03.16" (109.484211)

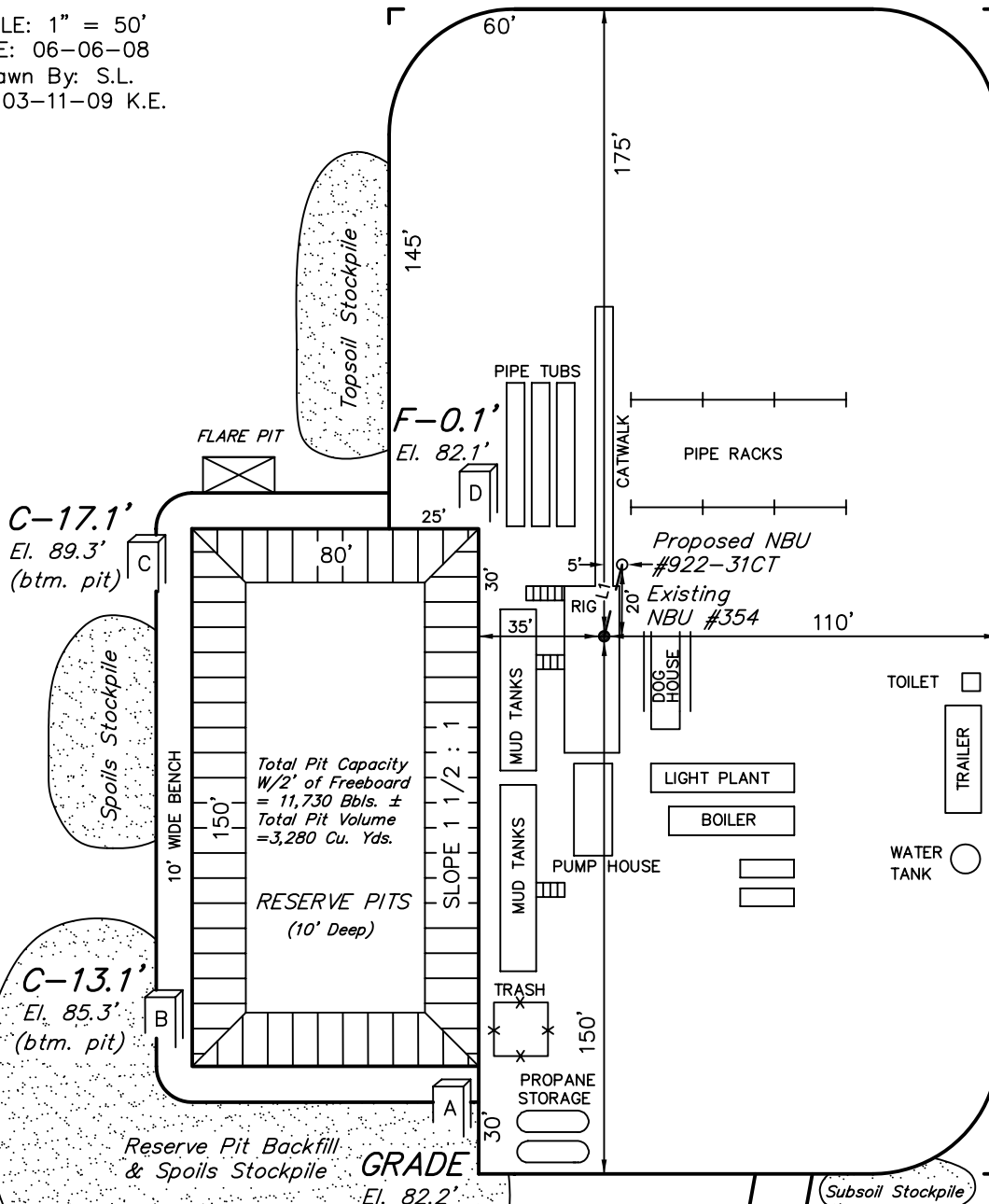
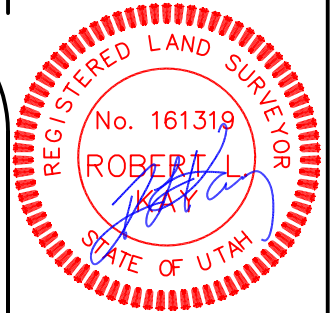


SCALE: 1" = 50'

DATE: 06-06-08

Drawn By: S.L.

REV: 03-11-09 K.E.



NOTES:

FINISHED GRADE ELEV. AT LOC. STAKE = 4882.2'

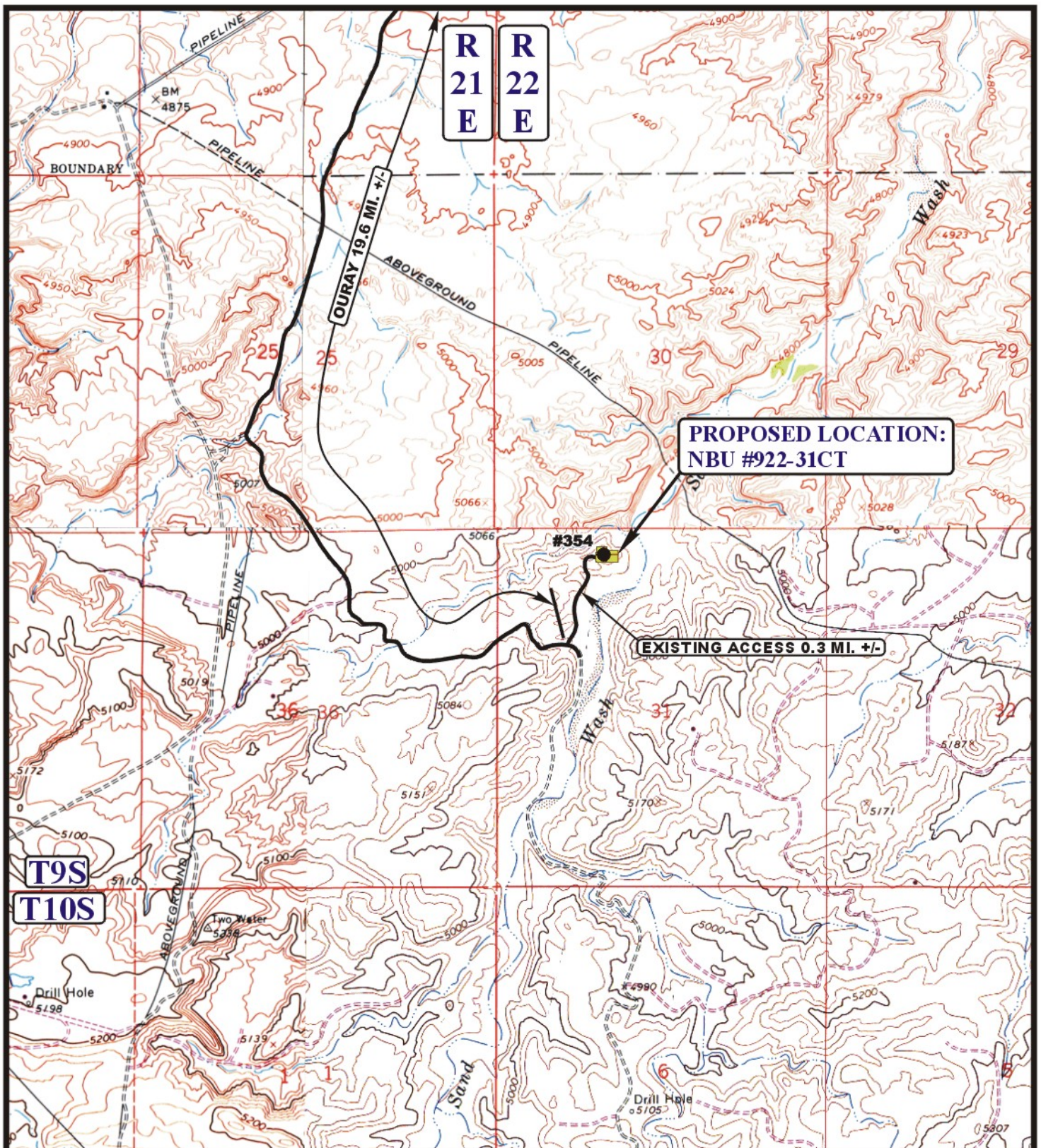
AZIMUTH TABLE		
LINE	BEARING	LENGTH
L1	104.729444 Az.	20.62'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

Kerr-McGee Oil & Gas Onshore LP
NBU #922-31CT
SECTION 31, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 2.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 0.3 MILES NBU #354 AND THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.9 MILES.



LEGEND:

EXISTING ROAD



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



Kerr-McGee Oil & Gas Onshore LP

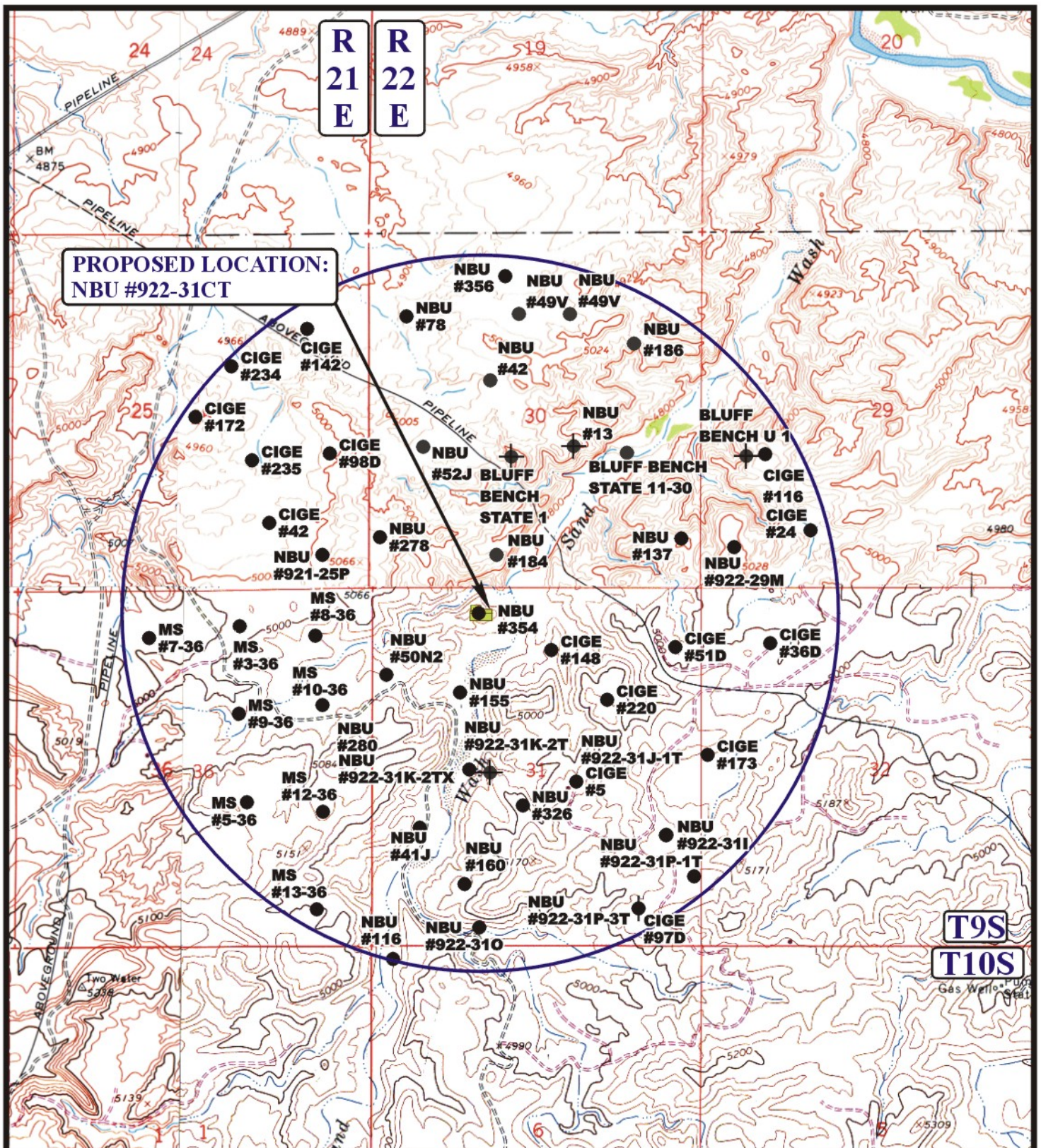
NBU #922-31CT
SECTION 31, T9S, R22E, S.L.B.&M.
389' FNL 1632' FWL

TOPOGRAPHIC
MAP

06 13 08
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: S.L. REV: 03-11-09 Z.L.

B
TOPO



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



Uintah Engineering & Land Surveying
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Kerr-McGee Oil & Gas Onshore LP

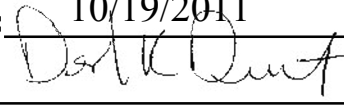
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MAP

06 13 08
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: S.L. REV: 03-11-09 Z.L.



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0464			
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES			
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 922-31CT			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0389 FNL 1632 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 31 Township: 09.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047502260000			
PHONE NUMBER: 720 929-6515 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES			
COUNTY: UINTAH		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/17/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The Operator requests approval to recomplete the subject well to the Wasatch formation. The Operator requests approval to commingle the recompleted Wasatch formation with the existing Mesaverde formation. Please see the attached procedure. Thank you.					
Accepted by the Utah Division of Oil, Gas and Mining Date: <u>10/19/2011</u> By: <u></u>					
NAME (PLEASE PRINT) Andy Lytle		PHONE NUMBER 720 929-6100			
SIGNATURE N/A		TITLE Regulatory Analyst			
		DATE 10/14/2011			

Greater Natural Buttes Unit



NBU 922-31CT **RE-COMPLETIONS PROCEDURE**

DATE:10/11/2011
AFE#:2064876
API#:4304750226
USER ID:OOT937 (Frac Invoices Only)

COMPLETIONS ENGINEER: Zachary Garrity, Denver, CO
(720)-929-6180 (Office)
(406)-781-6427 (Cell)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

RECEIVED Oct. 14, 2011

Name: NBU 922-31CT
Location: NE NW Sec 31 T9S R22E
LAT: 39.998681 **LONG: -109.484825** **COORDINATE: NAD83 (Surface Location)**
Uintah County, UT
Date: **10/11/2011**

ELEVATIONS: 4882' GL 4900' KB *Frac Registry TVD: 9331*

TOTAL DEPTH: 9335' **PBTD:** 9285'
SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 2269'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 9330'
 Marker Joint **4500-4518'**

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

TOPS:

1214' Green River Top
 1554' Bird's Nest Top
 1936' Mahogany Top
 4502' Wasatch Top
 7087' Mesaverde Top

BOTTOMS:

7087' Wasatch Bottom
 9335' Mesaverde Bottom (TD)

T.O.C. @ 1970' Cutters CBL 1/12/2010

*Based on latest interpretation of CBL

GENERAL:

- A minimum of **6** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Bakers Induction-Density-Neutron log dated 1/2/2010
- **3** fracturing stages required for coverage.
- Procedure calls for **4** CBP's (**8000** psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gpt (in pad and until 1.25 ppg ramp up is reached) and 10 gpt in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.

- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- **Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**
- **If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)**
- Tubing Currently Landed @~8,714
- Originally completed on 1/25/2010

Existing Perforations:

<u>PERFORATIONS</u>						
<u>Formation</u>	<u>Zone</u>	<u>Top</u>	<u>Btm</u>	<u>spf</u>	<u>Shots</u>	<u>Date</u>
MESA VERDE		7118	7128	4	40	01/26/2010
MESA VERDE		7182	7184	4	8	01/26/2010
MESA VERDE		7234	7238	4	16	01/26/2010
MESA VERDE		7287	7288	4	4	01/26/2010
MESA VERDE		7300	7303	4	12	01/26/2010
MESA VERDE		7398	7400	4	8	01/25/2010
MESA VERDE		7419	7422	4	12	01/25/2010
MESA VERDE		7466	7468	4	8	01/25/2010
MESA VERDE		7554	7557	4	12	01/25/2010
MESA VERDE		7659	7660	4	4	01/25/2010
MESA VERDE		7689	7690	4	4	01/25/2010
MESA VERDE		7740	7742	4	8	01/25/2010
MESA VERDE		7762	7763	4	4	01/25/2010
MESA VERDE		7812	7814	4	8	01/25/2010
MESA VERDE		7897	7899	4	8	01/25/2010
MESA VERDE		8046	8048	4	8	01/25/2010
MESA VERDE		8109	8111	4	8	01/25/2010
MESA VERDE		8183	8185	4	8	01/25/2010
MESA VERDE		8234	8238	4	16	01/25/2010
MESA VERDE		8387	8388	4	4	01/25/2010
MESA VERDE		8444	8446	4	8	01/25/2010
MESA VERDE		8502	8505	4	12	01/25/2010
MESA VERDE		8557	8558	4	4	01/25/2010
MESA VERDE		8628	8630	4	8	01/25/2010
MESA VERDE		8737	8738	4	4	01/25/2010
MESA VERDE		8748	8750	4	8	01/25/2010
MESA VERDE		8784	8786	4	8	01/25/2010
MESA VERDE		8857	8860	4	12	01/25/2010
MESA VERDE		8944	8946	4	8	01/25/2010
MESA VERDE		9171	9173	4	8	01/25/2010
MESA VERDE		9206	9212	4	24	01/25/2010
MESA VERDE		9257	9259	4	8	01/25/2010

Relevant History:

1/25/2010 – Original Completion

12/1/2010 – Pulled plunger and spring. Ran scratcher and 1.9 broach; tubing was clean along with spring and plunger. Dropped titanium spring and viper plunger to bottom, RD moved off location.

3/31/2011 – Pulled plunger and spring. Ran scratcher and 1.9 broach; tubing was clean along with spring and plunger. Dropped titanium spring and bypass plunger to bottom, RD moved off location.

H2S History:

Production Date	Gas (avg mcf/day)	Water (avg bbl/day)	Oil (avg bbl/day)	LGR (bbl/Mmcf)	Max H2S Seperator (ppm)
5/31/2010	1039.39	72.71	3.19	73.03	
6/30/2010	917.50	63.60	2.83	72.41	
7/31/2010	834.97	56.55	1.97	70.08	
8/31/2010	764.35	47.87	2.68	66.13	5.00
9/30/2010	705.87	40.97	2.80	62.00	
10/31/2010	664.03	46.48	2.48	73.74	
11/30/2010	611.20	38.90	2.07	67.03	
12/31/2010	581.23	42.90	1.77	76.87	0.00
1/31/2011	529.81	27.94	1.81	56.14	
2/28/2011	514.04	41.00	1.43	82.54	0.00
3/31/2011	476.10	30.77	1.52	67.82	
4/30/2011	498.47	34.80	1.33	72.49	
5/31/2011	502.58	39.00	1.19	79.97	
6/30/2011	418.97	24.90	1.13	62.14	
7/31/2011	476.81	39.42	0.74	84.23	
8/31/2011	448.32	31.45	0.61	71.52	15.00
9/30/2011	0.00	0.00	0.00	#NA	7.00

PROCEDURE: (If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work.)

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. If the tubing is below the proposed CBP depth, TOO H with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~8,714'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 6065 (50' below proposed CBP). Otherwise P/U a mill and C/O to 6065 (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 6015'. ND BOPs and NU frac valves. Test frac valves and casing to 1000 and 3500 psi for 15 minutes each and to 6200 psi for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 9-5/8" annulus. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	5974	5980	4	24

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~5974' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~5,642'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	5586	5592	4	
8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~5586' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
9. Set 8000 psi CBP at ~5,430'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5238	5242	4	16
WASATCH	5378	5380	4	8
10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~5238' and flush only with recycled water.
11. Set 8000 psi CBP at ~5,188'.
12. ND Frac Valves, NU and Test BOPs.
13. TIH with 3 7/8" mill, pump open sub, XN nipple and tubing.
14. Mill 3 plugs and clean out to a depth of 5990'.
15. Land tubing at 5570', drop ball and pump open sub. Flow back completion load. RDMO
16. MIRU, POOH tbg and mill. TIH with POBS and mill.
17. Mill last plug @ 6015' clean out to PBTD at 9285'. Land tubing at ±8,714' pump off bit and bit sub. This well WILL be commingled at this time.
18. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
19. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

For design questions, please call
Zachary Garrity, Denver, CO
(720)-929-6180 (Office)
(406)-781-6427 (Cell)

For field implementation questions, please call
Jeff Samuels, Vernal, UT
(435)-781-7046 (Office)

NOTES:

If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work

Verify that the Braden head valve is locked OPEN.

Name NBU 922-31CT - Recomplete
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes		Fracture Coverage		
		Top, ft	Bottom, ft						
1	WASATCH	5974	5980	4	24		5970.5	to	5990.5
	# of Perfs/stage				24		CBP DEPTH	5,642	
2	WASATCH	5586	5592	4	24		5575.5	to	5600.5
	# of Perfs/stage				24		CBP DEPTH	5,430	
3	WASATCH	5238	5242	4	16		5217	to	5247.5
	WASATCH	5378	5380	4	8		5366.5	to	5385
	# of Perfs/stage				24		CBP DEPTH	5,188	
	Totals				72				

Name NBU 922-31CT - Recomplete
Slickwater Frac

RECEIVED Oct. 14, 2011

NBU 922-31CT DIRECTIONAL SURVEY												
MD	TVD	EW	NS	INC	AZI		MD	TVD	EW	NS	INC	AZI
14	14	0.0	0.0	0.0	0.0		3723	3720	-61.9	46.3	1.0	20.5
162	162	0.2	-0.5	0.4	155.2		3817	3814	-61.5	47.3	0.4	25.7
252	252	0.4	-0.7	0.1	73.6		3916	3913	-61.3	47.6	0.1	155.5
342	342	0.0	-0.2	1.0	315.6		4005	4002	-61.3	47.1	0.6	181.3
432	432	-1.8	1.5	2.1	312.4		4106	4103	-60.9	46.8	0.5	49.8
522	522	-4.4	4.0	2.6	315.6		4201	4198	-60.3	47.2	0.4	82.4
612	612	-7.5	6.7	2.7	306.1		4292	4289	-59.6	47.0	0.4	118.8
702	702	-10.8	9.6	3.0	315.8		4385	4382	-59.1	46.5	0.5	159.0
792	792	-14.2	13.1	3.1	316.8		4490	4487	-58.8	45.2	0.9	165.6
882	881	-17.9	16.9	3.7	314.5		4581	4578	-58.3	43.7	1.1	163.6
972	971	-22.1	21.0	3.8	314.0		4671	4668	-58.4	42.9	0.4	262.3
1062	1061	-26.4	25.0	3.8	312.4		4765	4762	-58.9	42.6	0.4	225.5
1152	1151	-31.1	29.0	4.1	308.4		4958	4955	-60.2	40.6	1.0	206.5
1242	1241	-35.8	32.9	3.7	309.9		5046	5043	-60.3	40.0	0.3	65.6
1332	1330	-40.0	36.1	2.9	304.3		5239	5236	-57.3	41.2	1.7	68.8
1422	1420	-43.9	38.5	3.0	300.6		5426	5423	-52.6	42.4	1.3	85.7
1512	1510	-47.5	40.8	2.4	303.5		5616	5613	-48.3	42.3	1.3	97.0
1602	1600	-50.6	42.7	2.3	299.1		5806	5803	-43.9	41.1	1.4	113.3
1692	1690	-53.9	44.2	2.4	289.9		5998	5995	-39.6	38.9	1.5	121.5
1812	1810	-58.0	46.3	2.1	305.0		6182	6179	-35.5	35.8	1.8	130.3
1902	1900	-60.2	47.7	1.3	300.1		6381	6378	-31.0	31.4	1.9	138.8
1992	1990	-61.9	48.4	1.0	284.1		6470	6467	-29.9	29.8	0.7	163.5
2082	2080	-63.6	48.7	1.2	274.9		6566	6563	-29.9	29.4	0.3	329.4
2172	2170	-65.7	48.6	1.4	262.7		6660	6657	-30.2	29.8	0.4	313.5
2232	2230	-67.1	48.4	1.3	257.5		6756	6753	-30.5	30.9	1.1	349.2
2302	2300	-68.6	47.9	1.3	244.7		6946	6943	-30.7	34.0	0.9	6.8
2392	2390	-70.4	46.7	1.4	228.2		7137	7134	-30.1	36.1	0.4	36.5
2494	2492	-72.0	44.8	1.4	213.6		7314	7311	-29.1	36.3	0.4	123.8
2583	2581	-73.1	42.8	1.6	204.5		7514	7511	-27.3	35.5	0.7	106.4
2678	2676	-74.0	40.2	1.8	194.6		7702	7699	-25.3	33.5	1.1	149.6
2777	2775	-74.9	37.1	1.9	196.4		7896	7893	-23.2	29.7	1.4	153.7
2873	2871	-74.6	35.6	0.9	89.6		8056	8053	-21.5	27.1	0.9	134.8
2968	2966	-72.6	36.7	2.0	47.9		8146	8143	-20.4	26.1	1.1	130.5
3057	3055	-70.4	38.7	1.8	49.0		8341	8338	-18.1	23.3	1.1	150.9
3158	3156	-68.0	40.5	1.7	57.9		8525	8522	-15.7	19.7	1.7	144.6
3248	3246	-66.1	41.5	1.1	63.7		8717	8714	-10.6	14.2	2.8	131.8
3346	3343	-64.6	42.0	0.7	84.5		8906	8902	-5.5	9.2	1.6	139.8
3434	3431	-63.9	41.9	0.3	134.3		9102	9098	-1.1	5.4	1.9	122.9
3538	3535	-63.4	42.5	0.9	25.4		9269	9265	1.4	3.3	0.4	162.8
3626	3623	-62.7	44.2	1.6	20.8		9335	9331	1.5	2.8	0.4	162.8

Acid Pickling and H2S Procedures (If Required)

****PROCEDURE FOR PUMPING ACID DOWN TBG**

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBLs 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBLs 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

**** PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID**

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBLs MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

Key Contact information

Completion Engineer

Zachary Garrity: 406-781-6427, 720-929-6180

Production Engineer

Jordan Portillo: 435/781-9785, 435/828-6221

Completion Supervisor Foreman

Jeff Samuels: 435-828-6515, 435-781-7046

Completion Manager

Jeff Dufresne: 720-929-6281, 303-241-8428

Vernal Main Office

435-789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU464

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No. UTU63047A		
2. Name of Operator KERR MCGEE OIL & GAS ONSHORE, Mail: JAIME.SCHARNOWSKE@ANADARKO.COM			8. Lease Name and Well No. NBU 922-31CT		
3. Address PO BOX 173779 DENVER, CO 80217			9. API Well No. 43-047-50226		
3a. Phone No. (include area code) Ph: 720-929-6304					
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NENW 389FNL 1632FWL 39.998720 N Lat, 109.484140 W Lon At top prod interval reported below NENW 389FNL 1632FWL 39.998720 N Lat, 109.484140 W Lon At total depth NENW 389FNL 1632FWL 39.998720 N Lat, 109.484140 W Lon			10. Field and Pool, or Exploratory NATURAL BUTTES		
14. Date Spudded 10/27/2009			11. Sec., T., R., M., or Block and Survey or Area Sec 31 T9S R22E Mer SLB		
15. Date T.D. Reached 01/01/2010			12. County or Parish UINTAH		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 02/08/2012			13. State UT		
17. Elevations (DF, KB, RT, GL)* 4882 GL					
18. Total Depth: MD 9335 TVD 9331			19. Plug Back T.D.: MD 9286 TVD 9282		
20. Depth Bridge Plug Set: MD TVD					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR/CBL/DHIL/ZDL/CN			22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)		

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	5756							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5238	5980	5238 TO 5980	0.360	72	OPEN
B) MESAVERDE	7118	9259	7118 TO 9259	0.360	312	OPEN
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5238 TO 5980	PUMP 2,117 BBLs SLICK H2O & 64,286 LBS 30/50 OTTAWA SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
02/08/2012	02/09/2012	24	→	11.0	1459.0	97.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
20/64	414 SI	740.0	→	11	1459	97		PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #133145 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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MAR 20 2012
DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GREEN RIVER BIRD'S NEST MAHOGANY WASATCH MESAVERDE	1214 1554 1936 4502 7087

32. Additional remarks (include plugging procedure):

Find attached the recompletion history and perforation report. Test information is production from Wasatch/Mesaverde perforations. Casing in the well is as previously reported on the original Completion Report. New recompletion perforations are in Wasatch 5238-5980'; previously existing perforations are Mesaverde 7118-9259'.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #133145 Verified by the BLM Well Information System.
For KERR MCGEE OIL & GAS ONSHORE,L, sent to the Vernal

Name (please print) JAIME L. SCHARNOWSKE

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 03/15/2012

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL **

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-31CT		Spud Conductor: 10/27/2009		Spud Date: 11/30/2009	
Project: UTAH-UINTAH		Site: NBU 354 PAD			Rig Name No: MILES 2/2
Event: RECOMPL/RESEREVEADD		Start Date: 12/30/2011		End Date: 2/7/2012	
Active Datum: RKB @4,900.00usft (above Mean Sea Level)		UWI: NE/NW0/9/S/22/E/31/0/0/26/PM/N/389.00/W/0/1,632.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
12/27/2011	7:00 - 7:30	0.50	COMP	48		P		HSM, RIGGING DWN & MOVING EQUIP
	7:30 - 17:30	10.00	COMP	30	A	P		RIG DWN OFF NBU 921-8F, MOVE TO LOCATION, MOVING TRUCK LOST DRIVE LINE ON HILL TO LOCATION, HAD TO GET MAINTAINER TO LOCATION TO PULL TRUCK UP HILL, RU RIG, ND WH NU BOPS, RIG UP FLOOR & TBG EQUIP. UNLAND TBG L/D HANGER SWI SDFN.
12/28/2011	7:00 - 7:30	0.50	COMP	48		P		HSM, CHECKING WELL FOR H2S & TRIPPING TBG.
	7:30 - 13:00	5.50	COMP	31	I	P		SICP 450, SITP 450, BLEW WELL DWN KILL TBG W/ 20 BBLS T-MAC, KILL CSG W/ 20 BBLS T-MAC. POOH W/ 281 JTS 23/8 J-55 VISUALLY INSPECTING, & S.L.M./L/D 4 NO DRIFT HAD SCALE ON OD ON BTM JTS, SPRING WAS IN X/N.
	13:00 - 15:30	2.50	COMP	34	I	P		RU JW RIH W/ 41/2 GAUGE RING TO 6065' POOH, RIH SET 41/2 8-K CBP @ 6015', POOH.
	15:30 - 18:00	2.50	COMP	33	C	P		ND BOPS NU FV & X/O SPOOL. RU B&C, TEST CSG TO 1,006 PSI FOR 15 MIN, GAINED 63 PSI, TEST TO 3700 PSI FOR 15 MIN, LOST 48 PSI, TEST TO 6255 PSI FOR 30 MIN, LOST 64 PSI. RD B&C SWI SDFN. HSM, WORKING W/ FRAC & WIRELINE CREWS.
12/29/2011	7:00 - 7:30	0.50	COMP	48		P		(STG #1) PU 41/2 & 31/8 EXP 23 GRM .36" HLS, 90 DEG PHASING, PERF WELL AS OF PROCEDURE. RU SUPERIOR, PRIME PUMPS & LINES, TEST LINES TO 7200 PSI, SET KICK OUTS @ 2 - 6,200 3 - 6,000 SET POPOFF @ 5800.
	7:30 - 8:43	1.22	COMP	36	E	P		WHP 466 PSI, BRK 2259 PSI @ 3.3 BPM. ISIP 1388 PSI, FG .67. SPOT ACID ON PERFS LET SOAK FOR 5 MIN.
	8:43 - 9:55	1.20	COMP	36	E	P		CALC HOLES OPEN @ 44.3 BPM @ 4862 PSI = 63% HOLES OPEN. MP 5958 PSI, MR 51.2 BPM, AP 4100 PSI, AR 48.8 BPM ISIP 1381 PSI, FG .67 NPI - 7 PSI.
								(STG #2) PU 41/2 HAL 8-K CBP & 31/8 EXP 23 GRM .36" HLS, 90 DEG PHASING, SET CBP @ 5622', PERF WELL AS OF PROCEDURE. WHP 318 PSI, BRK 2517 PSI @ 3.2 BPM. ISIP 1104 PSI, FG .67. CALC HOLES OPEN @ 46.5 BPM @ 3404 PSI = 82% HOLES OPEN. MP 4369 PSI, MR 50.5 BPM, AP 3676 PSI, AR 49.6 BPM ISIP 1264 PSI, FG .66 NPI 160 PSI.

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-31CT		Spud Conductor: 10/27/2009		Spud Date: 11/30/2009	
Project: UTAH-UINTAH		Site: NBU 354 PAD			Rig Name No: MILES 2/2
Event: RECOMPL/RESEREVEADD		Start Date: 12/30/2011		End Date: 2/7/2012	
Active Datum: RKB @4,900.00usft (above Mean Sea Level)			UWI: NE/NW0/9/S/22/E/31/0/0/26/PM/N/389.00/W/0/1,632.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	9:55 - 11:02	1.12	COMP	36	E	P		(STG #3) PU 41/2 HAL 8-K CBP & 31/8 EXP 23 GRM .36" HLS, 90 DEG PHASING, SET CBP @ 5410', PERF WELL AS OF PROCEDURE. WHP 317 PSI, BRK 2495 PSI @ 4.0 BPM. ISIP 1102 PSI, FG .65. CALC HOLES OPEN @ 48.4 BPM @ 4561 PSI = 63% HOLES OPEN. MP 4558 PSI, MR 48.8 BPM, AP 3221 PSI, AR 46.2 BPM ISIP 1764 PSI, FG .77 NPI 662 PSI TOTAL 64,286 LBS 30/50 WHITE TOTAL 2117 BBLS WTR TOTAL 325 GALS SCALE INH TOTAL 57 GALS BIOCID
	11:02 - 13:00	1.97	COMP	34	I	P		(KILL PLUG) RIH W/ 41/2 HAL 8-K CBP & SET @ 5188' POOH SW. RD WIRE LINE & FRAC CREW.
	13:00 - 16:00	3.00	COMP	31	I	P		ND FV, NU BOPS, RIH W/ 37/8 BIT & PUMP OPEN SUB, 1.875 X/N & TBG TO KILL PLUG, RU DRLG EQUIP, SWI PREP TO D/O IN AM. SDFN.
12/30/2011	7:00 - 7:30	0.50	COMP	48		P		HSM, DRILLING PLUGS & LANDING TBG.
	7:30 - 12:00	4.50	COMP	44	C	P		BROKE CIRC CONVENTIONAL, TEST BOPS TO 3,000# FOR 15 MIN NO PSI LOSS. RIH. C/O 5' SAND TAG 1ST PLUG @ 5188' DRL PLG IN 9 MIN, 200# PSI INCREASE RIH. C/O 20' SAND TAG 2ND PLUG @ 5410' DRL PLG IN 6 MIN, 100# PSI INCREASE RIH. C/O 25' SAND TAG 3RD PLUG @ 5622' DRL PLG IN 8 MIN, 200# PSI INCREASE RIH. C/O TO 6,000', CIRC CLN, L/D 8 JTS. LAND TBG ON 185 JTS 23/8 J-55. ND BOPS NU WH, PUMP OPEN BIT, TURN WELL OVER TO FB CREW. RDMOL KB= 18' (SURFACE OPEN W/ POPOFF) HANGER = .83' SICP 200 PSI, FTP 50 PSI 185 JTS 23/8 J-55 = 5733.09' PUMP OPEN W/ 1.875 X/N = 4.20' (TEST LINE TO HAL 9000 TO 2500) EOT @ 5756.12 TWTR 2217 BBLS TWR 260 BBLS TWLTR 1957 BBLS 281 JTD HAULED OUT 185 LANDED 96 TO RETURN TO SAMEULS YARD, 10 BAD, 86 TO BE INSPECTED.

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 922-31CT	Wellbore No.	OH
Well Name	NBU 922-31CT	Wellbore Name	NBU 922-31CT
Report No.	1	Report Date	12/27/2011
Project	UTAH-UINTAH	Site	NBU 354 PAD
Rig Name/No.	MILES 2/2	Event	RECOMPL/RESERVEADD
Start Date	12/30/2011	End Date	2/7/2012
Spud Date	11/30/2009	Active Datum	RKB @4,900.00usft (above Mean Sea Level)
UWI	NE/NW/0/9/S/22/E/31/O/0/26/PM/N/389.00/W/O/1,632.00/O/0		

1.3 General

Contractor	JW WIRELINE	Job Method	PERFORATE	Supervisor	STEVE WALL, SR.
Perforated Assembly	PRODUCTION CASING	Conveyed Method	WIRELINE		

1.4 Initial Conditions

Fluid Type	KCL WATER	Fluid Density		Gross Interval	5,238.0 (usft)-5,980.0 (usft)	Start Date/Time	12/27/2012 12:00AM
Surface Press		Estimate Res Press		No. of Intervals	4	End Date/Time	12/27/2012 12:00AM
TVD Fluid Top		Fluid Head		Total Shots	72	Net Perforation Interval	18.00 (usft)
Hydrostatic Press		Press Difference		Avg Shot Density	4.00 (shot/ft)	Final Surface Pressure	
Balance Cond	NEUTRAL					Final Press Date	

1.5 Summary

2 Intervals

2.1 Perforated Interval

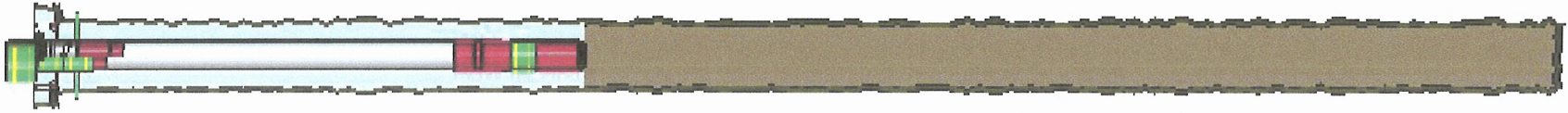
Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
12/27/2012 12:00AM	WASATCH/ 2			5,238.0	5,242.0	4.00		0.360	EXPENDABLE/	3.125	90.00			23.00 PRODUCTIO N	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
12/27/2012 12:00AM	WASATCH/			5,378.0	5,380.0	4.00		0.360	EXPENDABLE/	3.125	90.00		23.00	PRODUCTIO N	
12/27/2012 12:00AM	WASATCH/			5,586.0	5,592.0	4.00		0.360	EXPENDABLE/	3.125	90.00		23.00	PRODUCTIO N	
12/27/2012 12:00AM	WASATCH/			5,974.0	5,980.0	4.00		0.360	EXPENDABLE/	3.125	90.00		23.00	PRODUCTIO N	

3 Plots

3.1 Wellbore Schematic



DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: KERR-McGEE OIL & GAS ONSHORE, L.P.

Well Name: NBU 922-31CT

Api No: 43-047-50226 Lease Type: FEDERAL

Section 31 Township 09S Range 22E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # BUCKET

SPUDDED:

Date 10/27/2009

Time 7:00 AM

How DRY

Drilling will Commence: _____

Reported by JAMES GOBER

Telephone # (435) 828-7024

Date 10/28/2009 Signed CHD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
VERNAL FIELD OFFICE

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

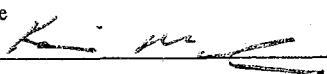
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-0464
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Kerr-McGee Oil & Gas Onshore, LP		7. If Unit or CA Agreement, Name and No. UTU-63047A
3a. Address P.O. Box 173779, Denver, CO 80217-3779	3b. Phone No. (include area code) 720.929.6226	8. Lease Name and Well No. NBU 922-31CT
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface NENW 389' FNL & 1592' FWL LAT 39.998717 LON -109.484283 (NAD 27) At proposed prod. zone N/A		9. API Well No. 43-047-50226
11. Sec., T. R. M. or Blk. and Survey or Area Sec. 31, T 9S, R 22E		12. County or Parish Uintah
13. State UT		14. Distance in miles and direction from nearest town or post office* 19.9 miles southeast of Ouray, Utah
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 389'	16. No. of acres in lease 206.97	17. Spacing Unit dedicated to this well Unit Well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 20'	19. Proposed Depth 9250'	20. BLM/BIA Bond No. on file WYB000291
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4882' GL	22. Approximate date work will start*	23. Estimated duration 10 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM. |

25. Signature 	Name (Printed/Typed) Kevin McIntyre	Date 11/10/2008
Title Regulatory Analyst I		
Approved by (Signature)	Name (Printed/Typed)	Date
Title Office		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

RECEIVED
(Instructions on page 2)

JUN 11 2009

DIV. OF OIL, GAS & MINING

NOS apd posted 11/17/08
AFMSS# 09-110126A

W06M



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Kerr McGee Oil & Gas
Well No: NBU 922-31CT
API No: 43-047-50226

Location: NENW, Sec.31, T9S, R22E
Lease No: UTU-0464
Agreement: Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	
NRS/Enviro Scientist:	Christine Cimiluca	(435) 781-4475	
NRS/Enviro Scientist:	Lori Ford	(435) 781-4406	

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC CONDITIONS OF APPROVAL

- An Interim Surface Reclamation Plan for surface disturbance on the well pad, access road, and pipeline would be completed. At a minimum, this would include the Best Management Practice of the reshaping of the pad to the original contour to the extent possible; the re-spreading of the top soil up to the rig anchor points; and, reseeding the area using appropriate reclamation methods. The areas of the location not needed for production operations, including portions of the pad and the reserve pits, would have the stock piled top soil spread evenly over the reclaimed surface, and be seeded with the recommended seed mix shown below. If it is determined that this well site would be used as a multi-well site the interim reclamation would be delayed until all wells are constructed at the site.

Interim Reclamation seed mix

Ephraim crested wheatgrass	<i>Agropyron cristatum v. Ephraim</i>	1 lbs. /acre
bottlebrush squirreltail	<i>Elymus elymoides</i>	1 lbs. /acre
siberian wheatgrass	<i>Agropyron fragile</i>	2 lbs. /acre
western wheatgrass	<i>Pascopyrum smithii</i>	2 lbs. /acre
scarlet globemallow	<i>Spaeralcea coccinea</i>	1 lbs. /acre
shadscale	<i>Atriplex confertifolia</i>	2 lbs. /acre
fourwing saltbush	<i>Atriplex canescens</i>	2 lbs. /acre

Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil re-spread over the surface; and, the surface re-vegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.

- No construction, drilling, completion operations from February 1 through August 15 for Golden eagle.
- To protect Threatened and Endangered fish the following mitigation will be followed:
 - The best method to avoid entrainment is to pump from an off-channel location – one that does not connect to the river during high spring flows. An infiltration gallery constructed in a BLM and Service approved location is best.
 - If the pump head is located in the river channel where larval fish are known to occur, the following measures apply:
 - do not situate the pump in a low-flow or no-flow area as these habitats tend to concentrate larval fishes;

- limit the amount of pumping, to the greatest extent possible, during that period of the year when larval fish may be present (see above); and
- limit the amount of pumping, to the greatest extent possible, during the pre-dawn hours as larval drift studies indicate that this is a period of greatest daily activity.
- Screen all pump intakes with ¼" mesh material.
- Report any fish impinged on the intake screen to the Service (801.975.3330) and the Utah Division of Wildlife Resources:

Northeastern Region

152 East 100 North, Vernal, UT 84078

Phone: (435) 781-9453

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- Kerr McGee and their contractors shall strictly adhere to all operating practices in the SOP (version: July 28, 2008) along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth

(from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.